

**Onan**

**Genset**

# **Parts Catalog**

**DKD**



Printed in U.S.A.

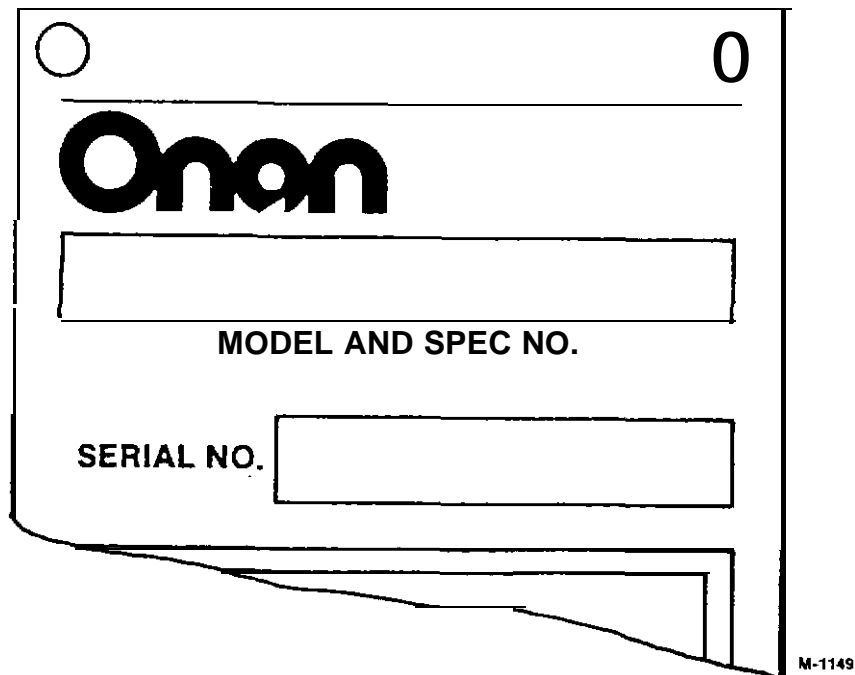
981-0240B  
11-99 (Spec A-E)

Replaces 12-92 (Spec A-D)

## General Information

For Parts or service, contact the dealer from whom you purchased this equipment or refer to your Nearest Authorized Onan Parts and Service Center.

To avoid errors or delay in filling your parts order, always give the MODEL, SPEC NO. and SERIAL NO. from the Onan nameplate.



A diagram of an Onan nameplate. It features a circular hole punch at the top left and a small circle with the number '0' at the top right. The Onan logo is prominently displayed in the center. Below the logo is a large rectangular box labeled 'MODEL AND SPEC NO.'. Underneath that is a smaller rectangular box labeled 'SERIAL NO.'. The nameplate has a tab at the bottom right corner. The text 'M-1149' is located at the bottom right of the diagram.

For handy reference, insert "YOUR" nameplate information in the spaces above.

### **▲WARNING**

TAKE ALL NECESSARY PRECAUTIONS WHEN CHECKING OR CHANGING ENGINE OIL. NOT TO INGEST, BREATHE THE FUMES OR CONTACT THE OIL. USED ENGINE OILS HAVE BEEN IDENTIFIED BY FEDERAL AND SOME STATE AGENCIES AS CAUSING CANCER.

### **▲WARNING**

TAKE ALL NECESSARY PRECAUTIONS WHEN HANDLING ENGINE GASKETS. DO NOT INGEST, BREATHE, OR CONTACT DUST FROM GASKETS. USE ADEQUATE VENTILATION AND WEAR PROTECTIVE GLOVES, MASK AND CLOTHING. ASBESTOS HAS BEEN IDENTIFIED BY FEDERAL AND SOME STATE AGENCIES AS CAUSING CANCER.

## Introduction

This Parts Manual applies to the Standard Generator Sets listed below. The illustrations are arranged in groups of related items, and each part or assembly is identified by a Reference Number. All parts illustrated are typical, and unless otherwise mentioned in the description column of the parts lists, the parts are interchangeable between models.

These typical illustrations are subject to change and reflect only the latest replacement parts arrangement. The Right and Left side of the Set are determined by FACING the engine end (Front) of the Set.

### NOTICE!

#### VARIATIONS WITHIN MODEL(S)

- I. GOVERNOR: style I has a flyball type system. Style II has a flyweight type system. (See the Gearcase Illustration for visual external differences, and the Fuel System - Injection Pump for internal differences.)

#### Set Data Table

MODEL IDENTIFICATION	RATING	MODEL IDENTIFICATION	RATING
6.0 7.5 DKD-*/#@	7,500 WATTS	8.0 6.5 DKD-*/#@	8,000 7,500 WATTS WATTS

- \* - Voltage Codes follow model letter designations.  
 # - Specification Number: Number 1 is Standard, all others indicate variations.  
 @ - Specification Letter: Letter advances (A to B, B to C, etc) with major manufacturing changes.  
 + - These Generators are reconnectible, refer to Operator's Manual for wiring data.

#### Generator Set Data Table

MODEL NUMBER	VOLTS	HERTZ	PHASE	WIRE	OPTIONS
6.0DKD-FP/29174C, E	120/240	50	1	4	
6.0DKD-FZ/29174C, E		50	3	12	
6.0DKD-FZ/34226C		50	3	12	No Radiator/Fan
6.0DKD-53CR/29174B	120/240	50	1	4	No Radiator/Fan
6.0DKD-518R/29174B		50	3	12	
6.5DKD-FA/53467 C, D	120	60	1	4	CB (20Amp H.A.C.R.)
6.5DKD-FA/53468 C, D	120	60	1	4	" " w/Suction Fan
6.5DKD-FA/58833 D	120	60	1	4	Pusher Fan
6.5DKD-FJ/27798 C, D	120/240	60	1	4	
6.5DKD-FJ/27799 C, D	120/240	60	1	4	Suction Fan
7.5DKD-FB/23006C, E	120/240	60	1	4	Truck Appl.
7.5DKD-FB/23007C	120/240	60	1	4	" " - Pusher Fan
7.5DKD-FB/23008C	120/240	60	1	4	" " - Pusher Fan
7.5DKD-FB/23009C	120/240	60	1	4	" " - Pusher Fan
7.5DKD-FB/57380C	120/240	60	1	4	" " - Extended shaft
7.5DKD-FD/23006C	120/240	60	3	4	" " - Pusher Fan
7.5DKD-FD/23007C	120/240	60	3	4	" " - Pusher Fan
7.5DKD-FJ/27798 C, D, E	120/240	60	1	4	
7.5DKD-FJ/27799 C, D, E	120/240	60	1	4	Pusher Fan
7.5DKD-FJ/56905D	120/240	60	1	4	" "
7.5DKD-3CE/27218A	120/240	60	1	4	Light Tower Appl.
7.5DKD-3CR/27203A	120/240	60	1	4	Mobile Diesel Genset
7.5DKD-3CR/27798 A, B	120/240	60	1	4	
7.5DKD-3CR/27799 A, B	120/240	60	1	4	Pusher Fan
7.5DKD-3R/23006B	120/240	60	1	4	Truck Appl.
7.5DKD-3R/23007B	120/240	60	1	4	" " - Reverse Flow Fan
7.5DKD-3R/23008B	120/240	60	1	4	" " - Reverse Flow Fan
7.5DKD-3R/23009B	120/240	60	1	4	" " - Reverse Flow Fan
7.5DKD-5DR/23006B	120/240	60	3	4	
8.0DKD-FJ/29686C	120/240		1	4	No Radiator/Fan - Spcl Unit
8.0DKD-FJ/32448C	120/240	60	1	4	No Radiator/Fan - Spcl Unit
8.0DKD-FJ/40216C	120/240	60	1	4	DC Control /Therm Housing
				4	No Radiator/Fan - Spcl Unit
				4	Mtd Air Clnr - Loose DC
				4	Control with 7 ft Harness
				4	Extensions
8.0DKD-FJ/54503C	120/240	60	1	4	No Radiator/Fan - Spcl Unit
				4	/Battery chrg'g alternator
8.0DKD-3CR/29686B	120/240	60	1	4	No Radiator/Fan - Spcl Unit

Also includes specs 11303, 11310, 11312, 11304, 11319, 11343, 11344, 11369, 11440, 11455, 11456, 66044, 66045, 67053,

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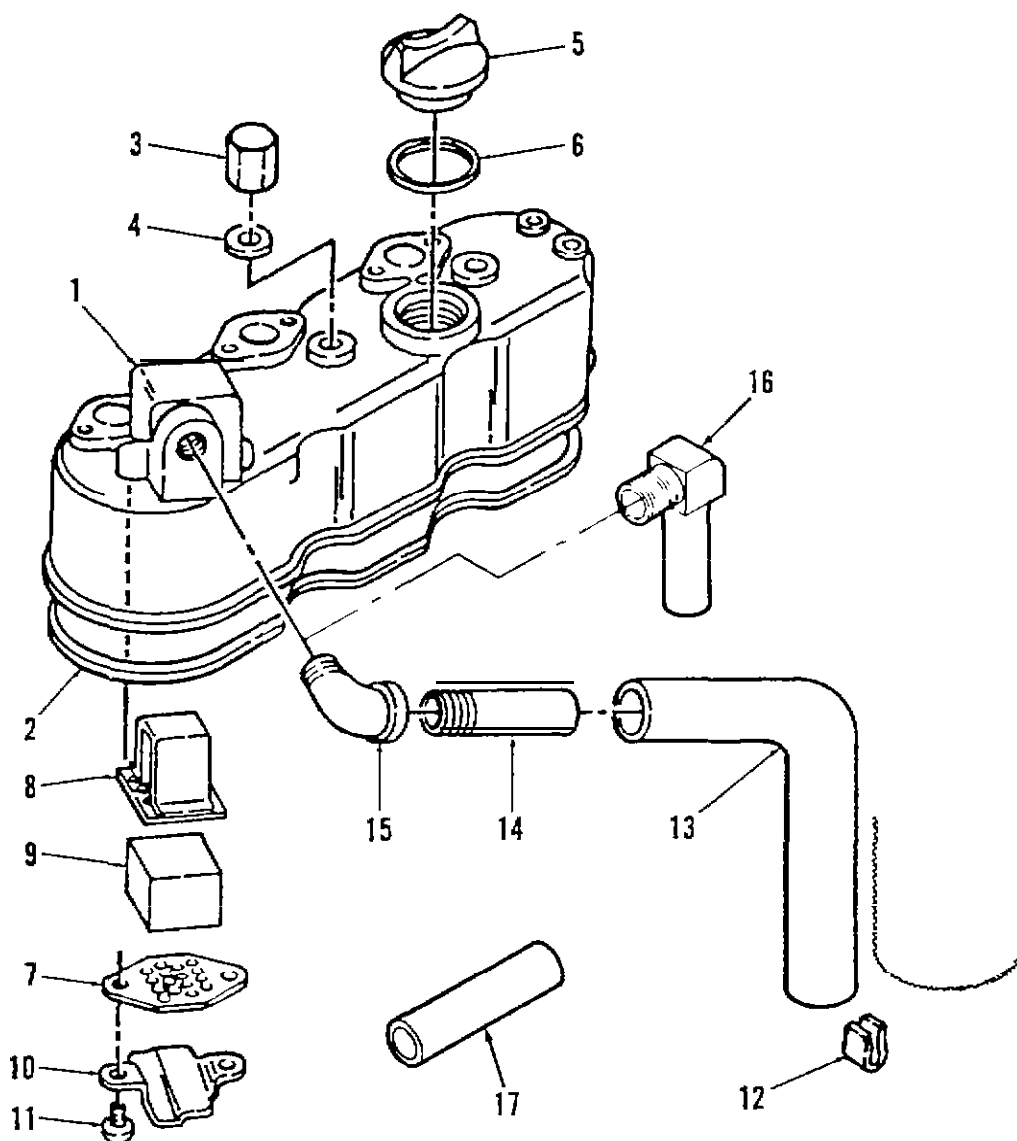
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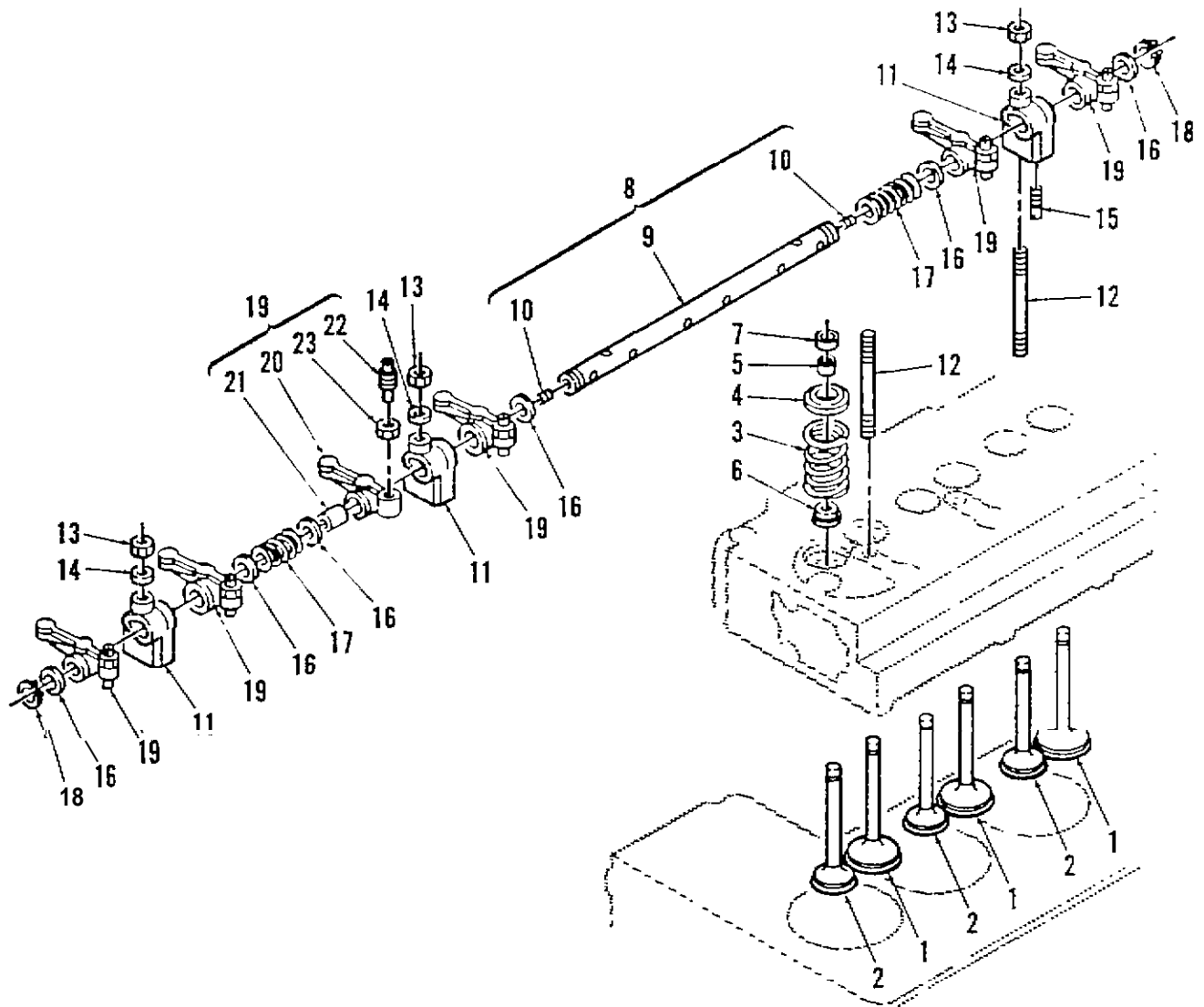
## Valve Cover & Breather



REF No.	PART No.	QTY USED	PART DESCRIPTION
1	185-2280	1	Cover, Cylinder Head
2	185-2217	1	Gasket
3	185-2290	3	Nut, Cap
4	185-2291	3	Seal, Oil
5	185-2093	1	Cap, Oil Fill
6	185-2349	1	O-Ring
7	185-2287	1	Plate, Breather
a	185-2230	1	Baffle, Breather
9	185-2232	1	Element, Breather
10	X3-2288	1	Shield, Breather
11	185-2384	2	Screw, Machine - Pan Head with Lockwasher

REF No.	PART NO.	QTY USED	PART DESCRIPTION
12	518-0449	1	Clip, Retaining
13	503-1321	1	Hose, Rubber (7/16" ID x 5/8" OD x 26-1/2" LG)
14	505-0302	1	Nipple, Pipe - Half (Spec A-C)
15	505-0011	1	Elbow, Pipe - Street, 90' (Spec A-C)
16	502-0304	1	Elbow, Hose - go' (Spec D)
17	503-0276	1	Hose, Breather (5/16" ID x 1/2" OD x 17" LG) (Spec D)

## Rocker Arm

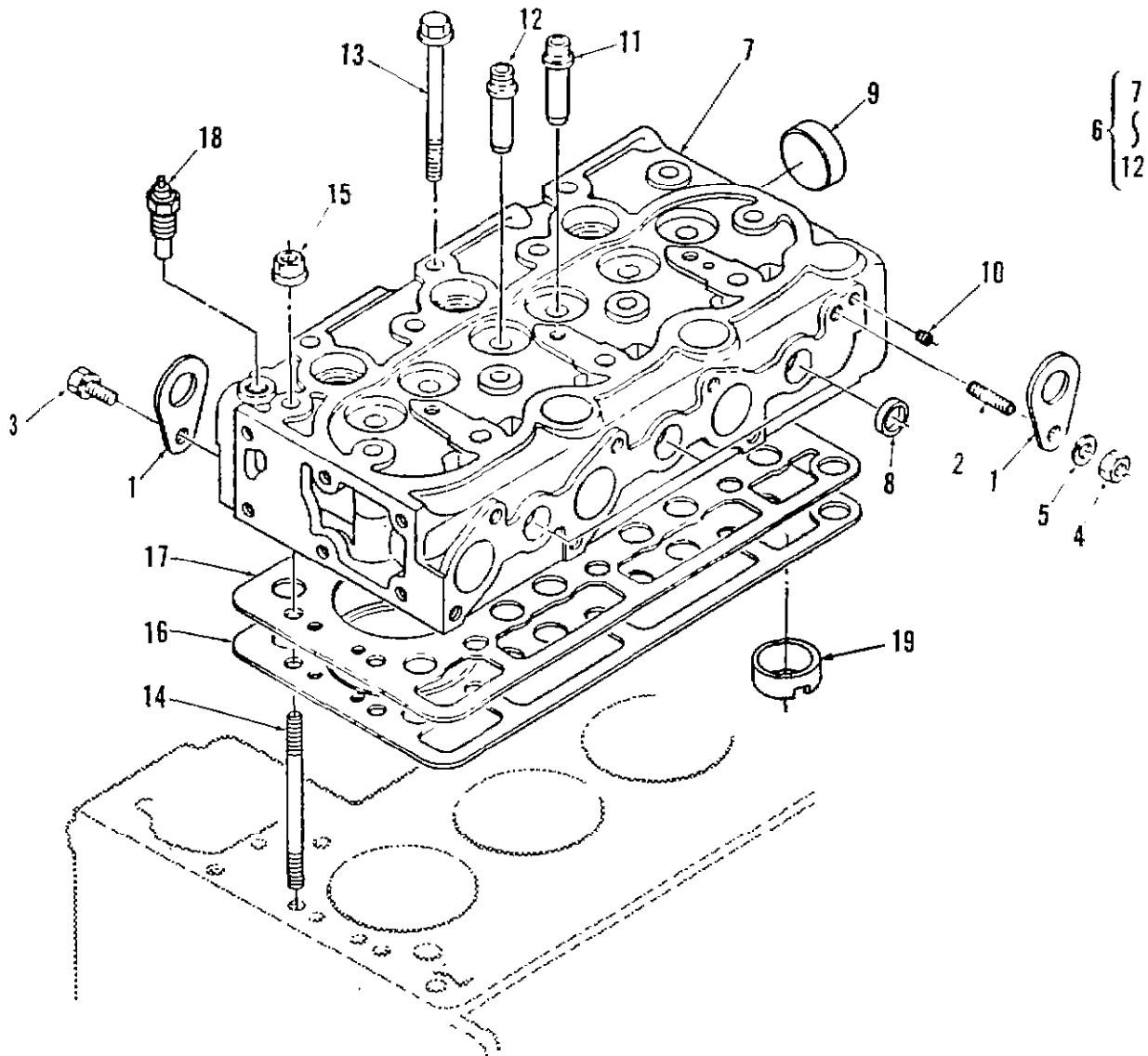


VT-1031

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	185-2060	3	Valve, Inlet
2	185-2061	3	Valve, Exhaust
3	185-2079	6	Spring, Compression
4	185-2076	6	Retainer, Spring
5	185-2077	12	Collet, Spring
6	185-2078	3	Seal, Oil - Inlet Valve
	185-2431	3	Seal, Oil - Exhaust Valve
7	185-2080	6	Cap, Valve Stem
8	185-2215	1	Shaft, Rocker Arm
9	NFS		Shaft
10	185-2228	2	Setscrew
11	185-2216	3	Bracket, Support

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
12	185-2292	3	Stud
13	185-2179	3	Nut, Hex
14	185-2184	3	Washer, Flat
15	185-2072	1	Setscrew
16	185-2073	6	Washer, Flat
17	185-2070	2	Spring, Compression
18	185-2368	2	Ring, Retaining
19	185-2062	6	Rocker Arm
20	NFS		Arm
21	185-2063	6	Bushing, Sleeve
22	185-2407	6	Adjusting Screw
23	185-2408	6	Nut, Hex

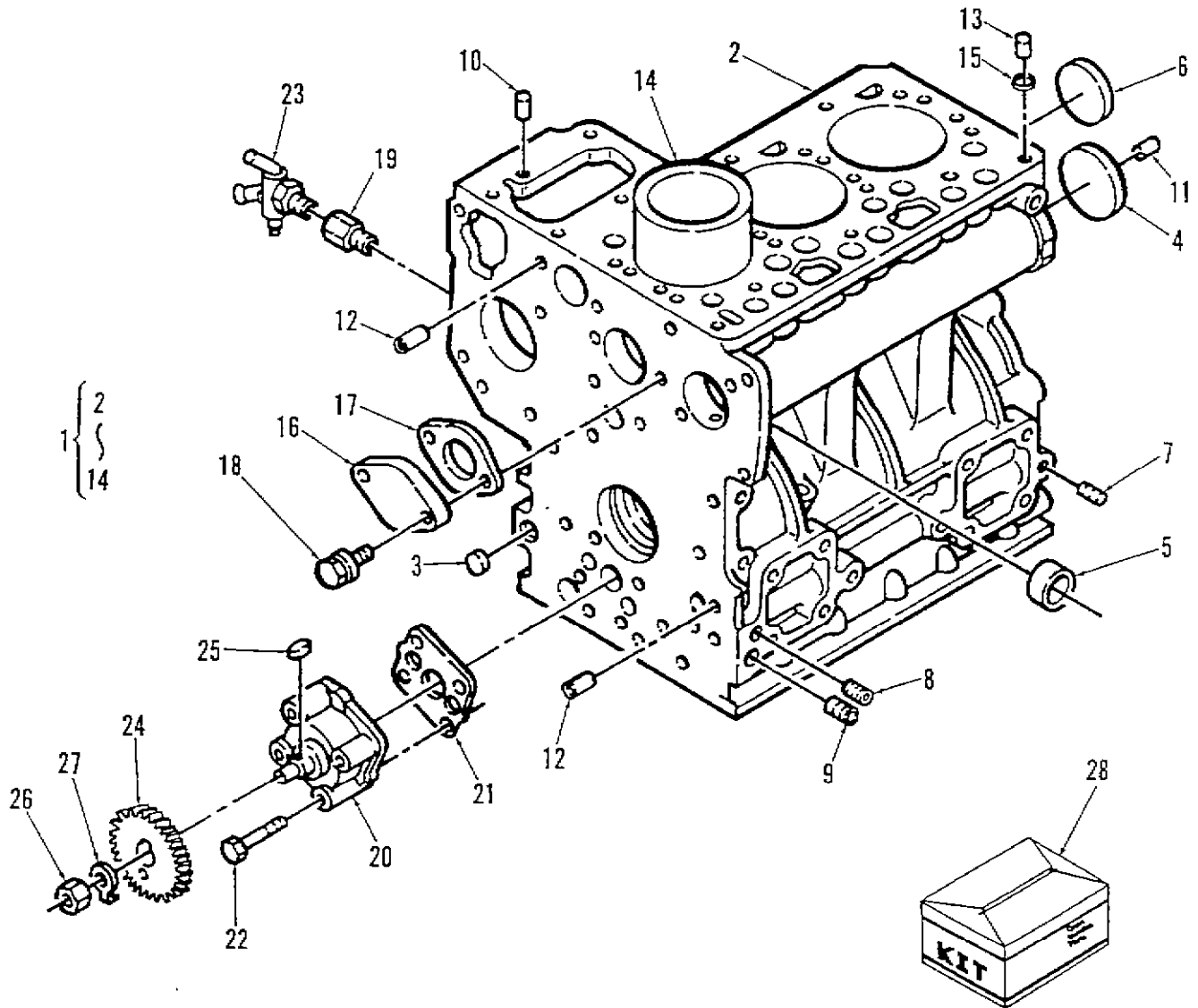
# Cylinder Head



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2414	2	Bracket. Lifting	11	185-2068	3	Guide. Valve - Inlet
2	185-2361	1	Stud	12	185-2069	3	Guide. Valve - Exhaust
3	X35-2399	1	Screw, Cap - Hex Head with Lockwasher (M8 x 1.25 x 16mm)	13	185-2053	12	Bolt. Hex - Cylinder Head
4	185-2367	1	Nut, Hex (M8 x 1.25)	14	185-2052	2	Stud
5	185-2381	1	Washer, Lock - Spring (M8)	15	185-2054	2	Nut. Hex
6	185-2049	1	Head, Cylinder	16	185-2056	1	Gasket. Cylinder Head
7	NFS	1	Head, Cylinder	17	185-2057	2	Shim
a	185-2413	5	Cup, Sealing	18	193-0318	1	Sender. Temperature - Engine Coolant (E2)
9	185-2411	1	Cup, Sealing	19	185-2477	1	Combustion Chamber
10	185-2188	2	Plug, Pipe - Socket Drive				



## Cylinder Block & Oil Pump



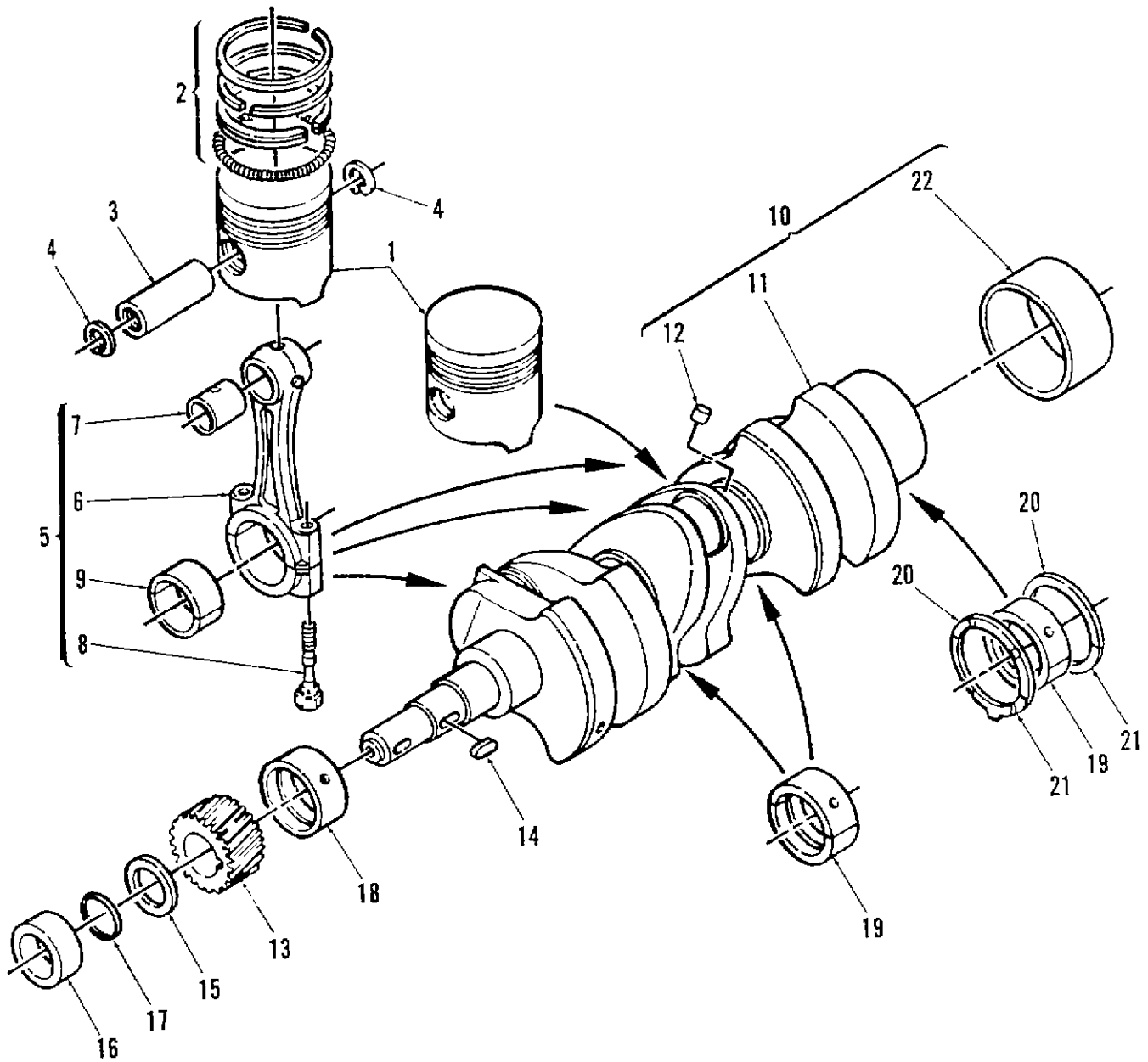
### Replacement Engine

100-2077-01 All specs except 11304, 54503  
 100-3135 Spec 11304, 54503

C-1099

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	185-2001	1	Crankcase	15	185-2095	1	O-Ring
2	NFS		Block	16	185-2176	1	Plate, Cover
3	185-2355	3	Plug, Expansion	17	185-2177	1	Gasket
4	185-2356	1	Plug, Expansion	18	185-2389	2	Screw, Cap - Hex Head (M6 x 1 x 18MM)
5	185-2411	5	Cup, Sealing	19	185-2229	1	Plug, Hex
6	185-2412	1	Cup, Sealing	20	185-2155	1	Pump, Oil
7	185-2188	6	Plug	21	185-2156	1	Gasket
8	185-2233	3	Plug	22	185-2409	4	Bolt, Hex with Lockwasher
9	185-2234	1	Plug	23	185-2337	1	Cock, Drain
10	185-2350	2	Pin, Straight, Headless	24	185-2293	1	Gear, Drive - Oil Pump
11	775-0072	2	Pin, Straight, Headless	25	185-2352	1	Key
12	185-2115	2	Pin, Hollow	26	185-2365	1	Nut, Hex (M10 x 1.5)
13	185-2094	1	Pin, Hollow	27	185-2382	1	Washer, Lock - Spring (M10)
14	185-2007	3	Liner, Cylinder	28	185-2313	1	Kit, Gasket

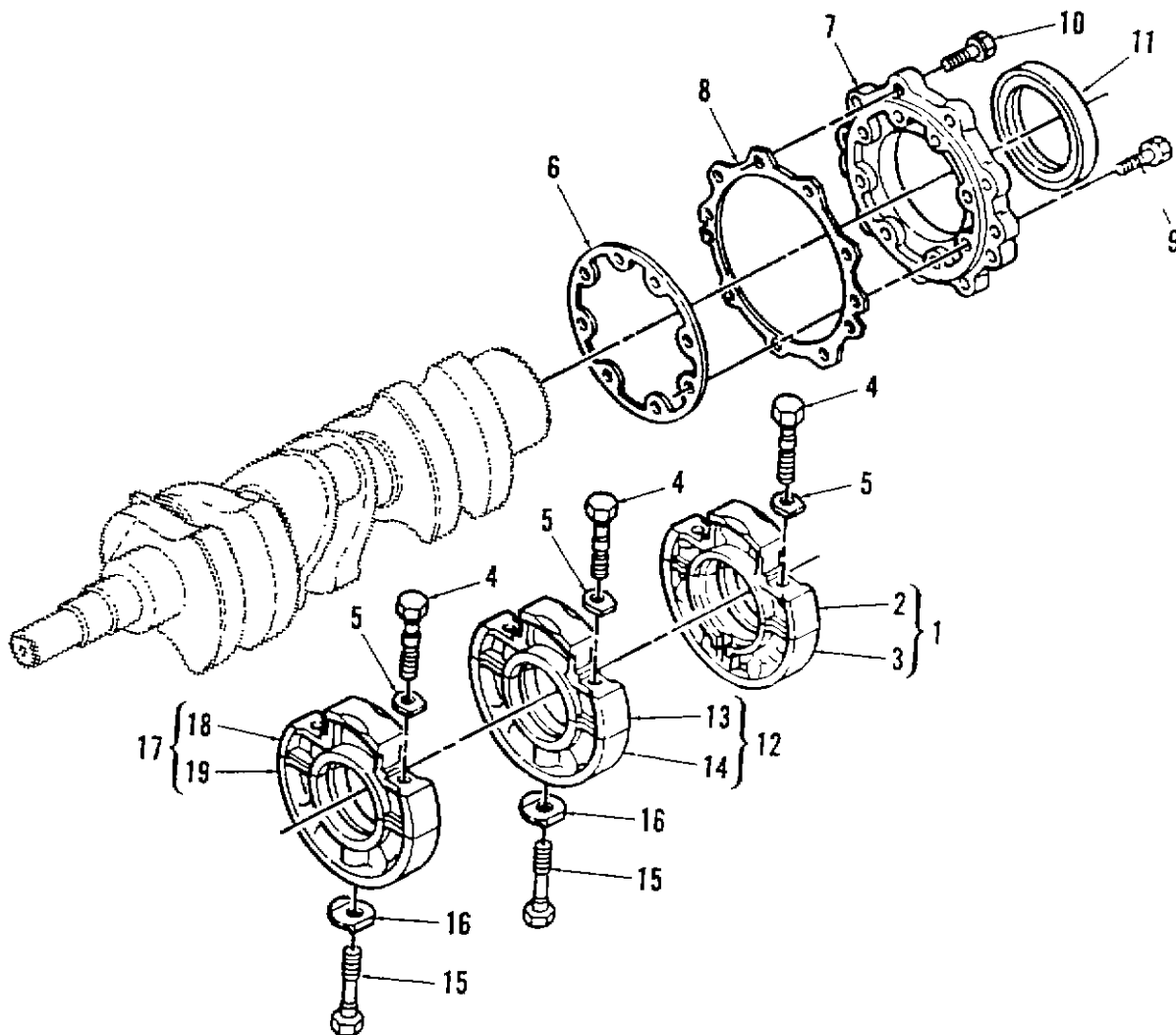
## Crankshaft & Piston



## Crankshaft and Piston

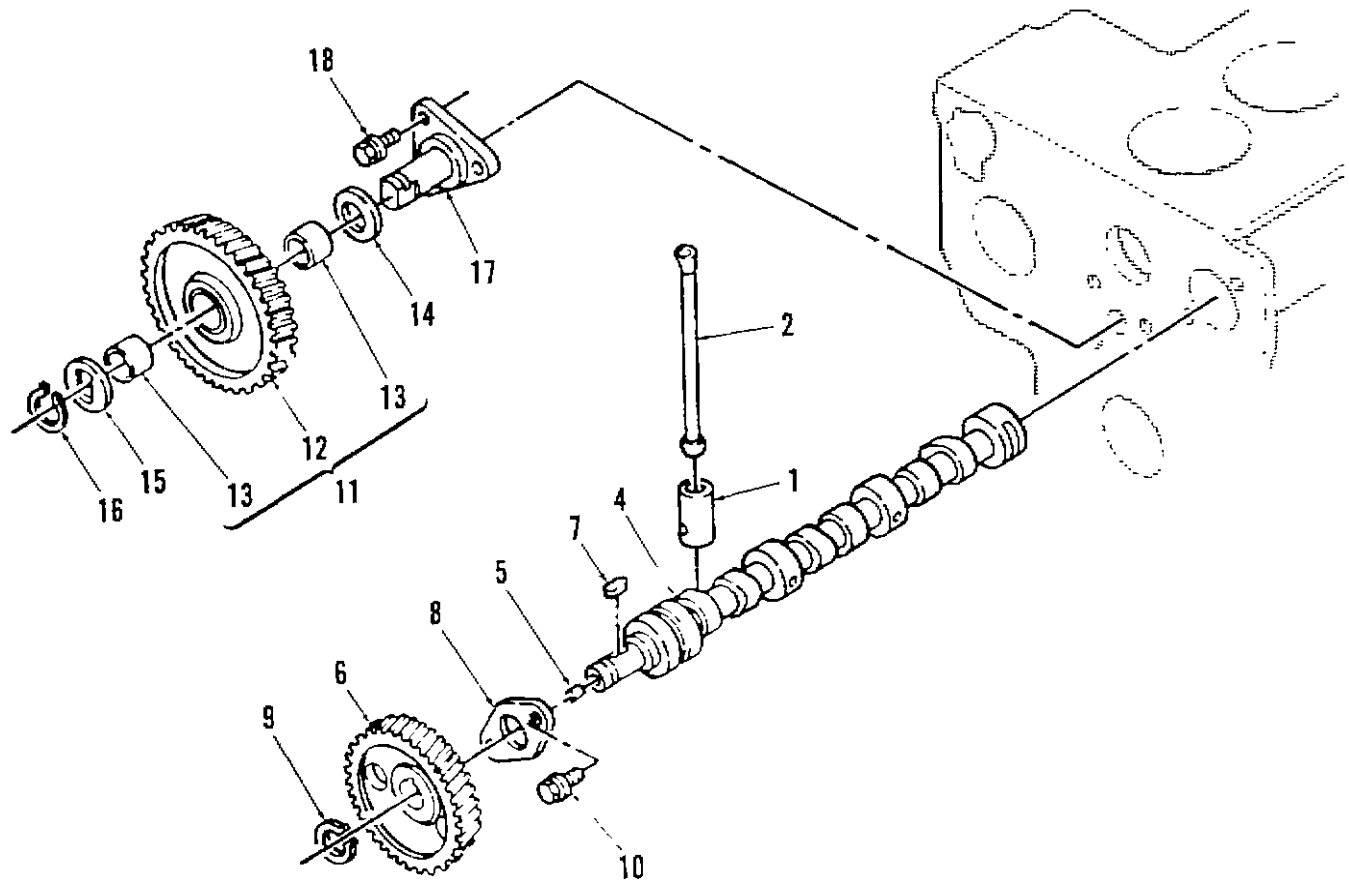
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2008	2	Piston Standard (Style I Governor) (#1 & 3 Cylinders Only)	10	185-2041	1	Crankshaft
	185-2009	2	0.5mm oversize (Style I Governor) (X1 & 3 Cylinders Only)	11	NFS		Crankshaft
	185-2434	2	Standard (Style II Governor) (#1 & 3 Cylinders Only)	12	NFS		Plug
	185-2435	2	0.5mm oversize (Style II Governor) (#1 & 3 Cylinders Only)	13	185-2043	1	Gear
	185-2428	1	Standard (Style I & II Governors) (#2 Cylinder Only)	14	185-2353	1	Key
	185-2429	1	0.5mm Oversize (Style I & II Governors) (#2 Cylinder Only)	15	us-2087	1	Slinger. Oil
2	185-2010	3	Ring Set Standard	16	185-2250	1	spacer, Sleeve
	185-2011	3	0.5mm Oversize	17	185-2348	1	O-Ring
3	185-2015	3	Pin, Piston	18	185-2020	1	Bearing, Crankshaft Standard
4	185-2016	6	Ring, Retaining		185-2024	1	0.2mm Undersize
5	185-2012	3	Rod, Connecting		185-2025	1	0.4mm Undersize
6	NFS		Rod	19	185-2021	3	Bearing Set Standard
7	185-2017	3	Bearing, Sleeve		185-2026	3	0.2mm Undersize
8	185-2018	6	Bolt, Hex - Rod Cap		X85-2027	3	0.4mm Undersize
9	185-2013	3	Bearing Set Standard	20	185-2022	2	Bearing, Thrust Standard
	185-2019	3	0.2mm Undersize		185-2028	2	0.2mm Oversize
	185-2014	3	0.4mm Undersize		185-2029	2	0.4mm Oversize
				21	185-2023	2	Bearing, Thrust Standard
					185-2030	2	0.2mm Oversize
					185-2031	2	0.4mm oversize
				22	185-2033	1	Sleeve, Crankshaft

## Main Bearing Holders



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2035	1	Holder, Bearing - Main, Rear	11	185-2055	1	Seal, Oil - Crankshaft, Rear
2	NFS		Holder, Bearing - Half, Upper	12	185-2034	1	Holder, Bearing - Main, Center
3	NFS		Holder, Bearing - Half, Lower	13	NFS		Holder, Bearing - Half, Upper
4	185-2037	4	Bolt, Hex	14	NFS		Holder, Bearing - Half, Lower
5	185-2039	6	Retainer, Bolt/Nut	15	185-2038	2	Bolt, Hex
6	185-2036	1	Gasket			2	Retainer, Bolt/Nut
7	185-2254	1	cover Plate - Bearing	17	185-2040	1	Holder, Bearing - Main, Front
8	185-2127	1	Gasket	18	NFS		Holder, Bearing - Half, Upper
9	185-2390	9	Screw, Cap - Hex Head with Lockwasher (M5 X 1 X 20mm)	19	NFS		Holder, Bearing - Half, Lower
10	185-2391	8	Screw, Cap - Hex Head with Lockwasher (M6 X 1 X 25mm)				

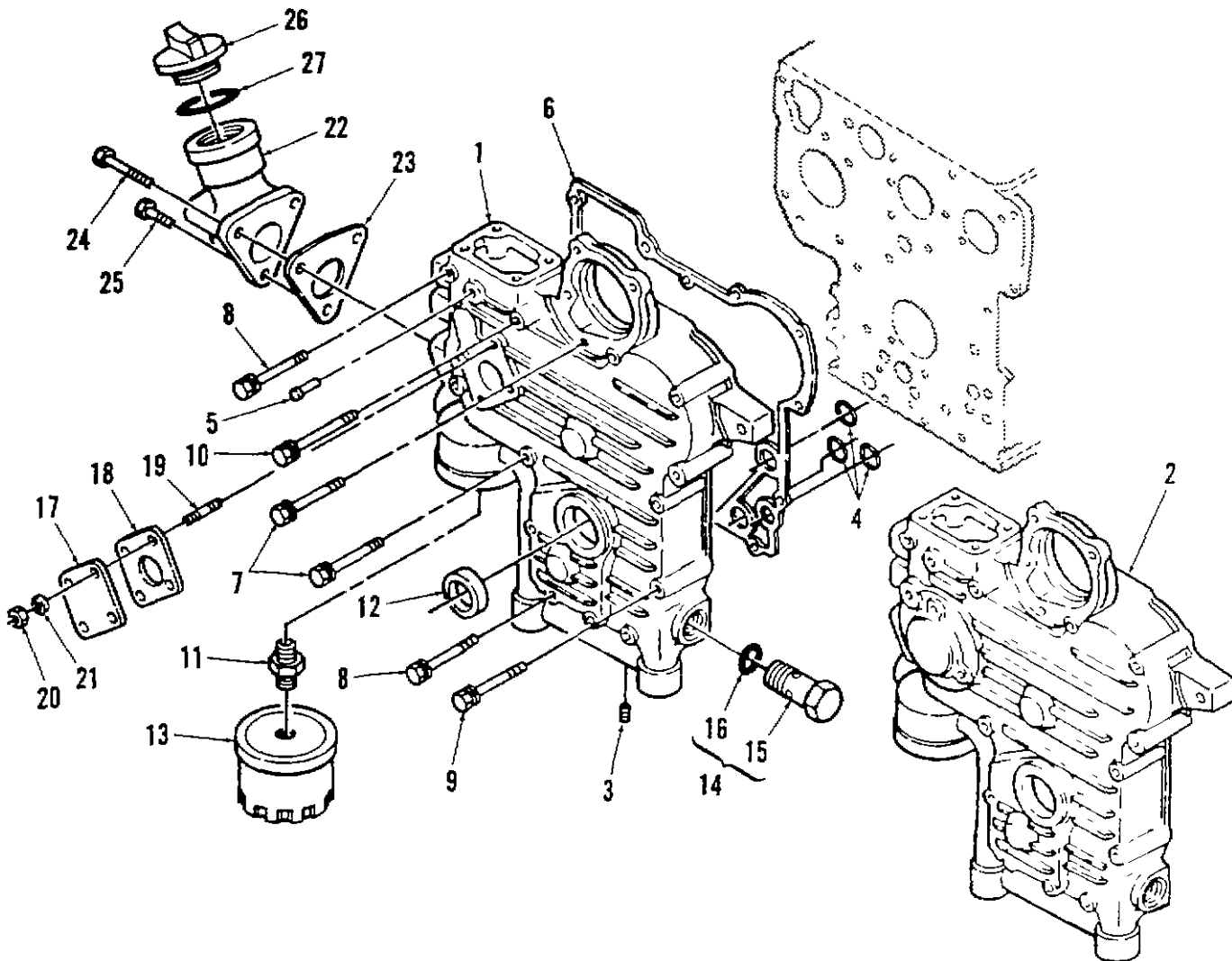
## Camshaft



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2075	6	Tappet
2	185-2074	6	Rod, Push
4	185-2082	1	Camshaft
5	185-2190	2	Plug
6	185-2086	1	Gear
7	185-2353	1	Key
8	185-2084	1	Plate, Retaining
9	185-2369	1	Ring, Retaining
10	185-2387	2	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 14mm)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2042	1	Gear
12	NFS		Gear
13	185-2048	2	Bushing. Sleeve
14	185-2046	1	Spacer
15	185-2047	1	Spacer
16	185-2045	1	Ring, Retaining
17	185-2044	1	Shaft
18	185-2388	3	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 16mm)

## Gearcase & Oil Filter

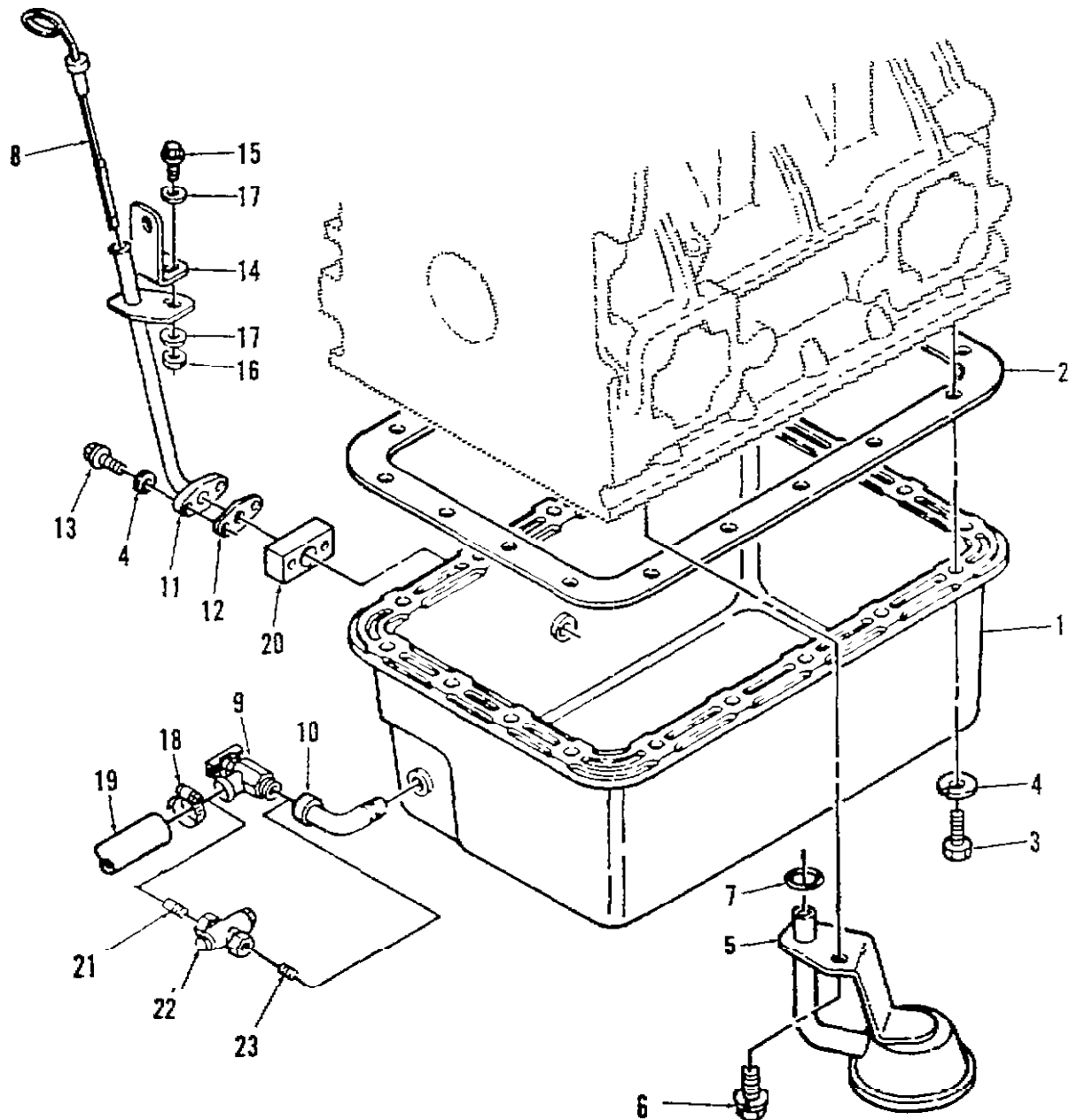


LS-1133

REF NO.	PART NO.	QTY. USED	PART DESCRIPTION	PART NO.	QTY. USED	PART DESCRIPTION
1	185-2051	1	Gearcase (Style I Governor)	14	185-2157	Valve, Relief - Pressure
2	185-2430	1	Gearcase (Style II Governor)	15	NFS	Valve
3	185-2189	2	Plug, Pipe - Socket Drive	16	185-2372	O-Ring
4	185-2374	3	O-Ring	17	185-2153	Plate, Cover (Style I Gov.)
5	185-2102	1	Pin, Straight	18	185-2104	Gasket (Style I Gov.)
6	185-2058	1	Gasket	19	185-2105	Stud
7	1.352395	7	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 60MM)	20	750-1004	Nut, Hex (M6 x 1)
8	185-2396	5	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 65MM)	21	185-2380	Washer, Lock - Spring (M6)
9	185-2397	1	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 70MM)	22	185-2296	Housing, Oil Fill
10	185-2398	1	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 75MM)	23	185-2309	Gasket
11	185-2124	1	Nipple, Pipe - Hex	24	185-2394	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 50MM)
12	185-2317	1	Seal, Oil - Crankshaft	25	185-2390	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 20MM)
13	185-2123	1	Filter, Oil	26	185-2093	Cap, Oil Fill
				27	185-2349	O-Ring

NOTE See introduction for governor style identification

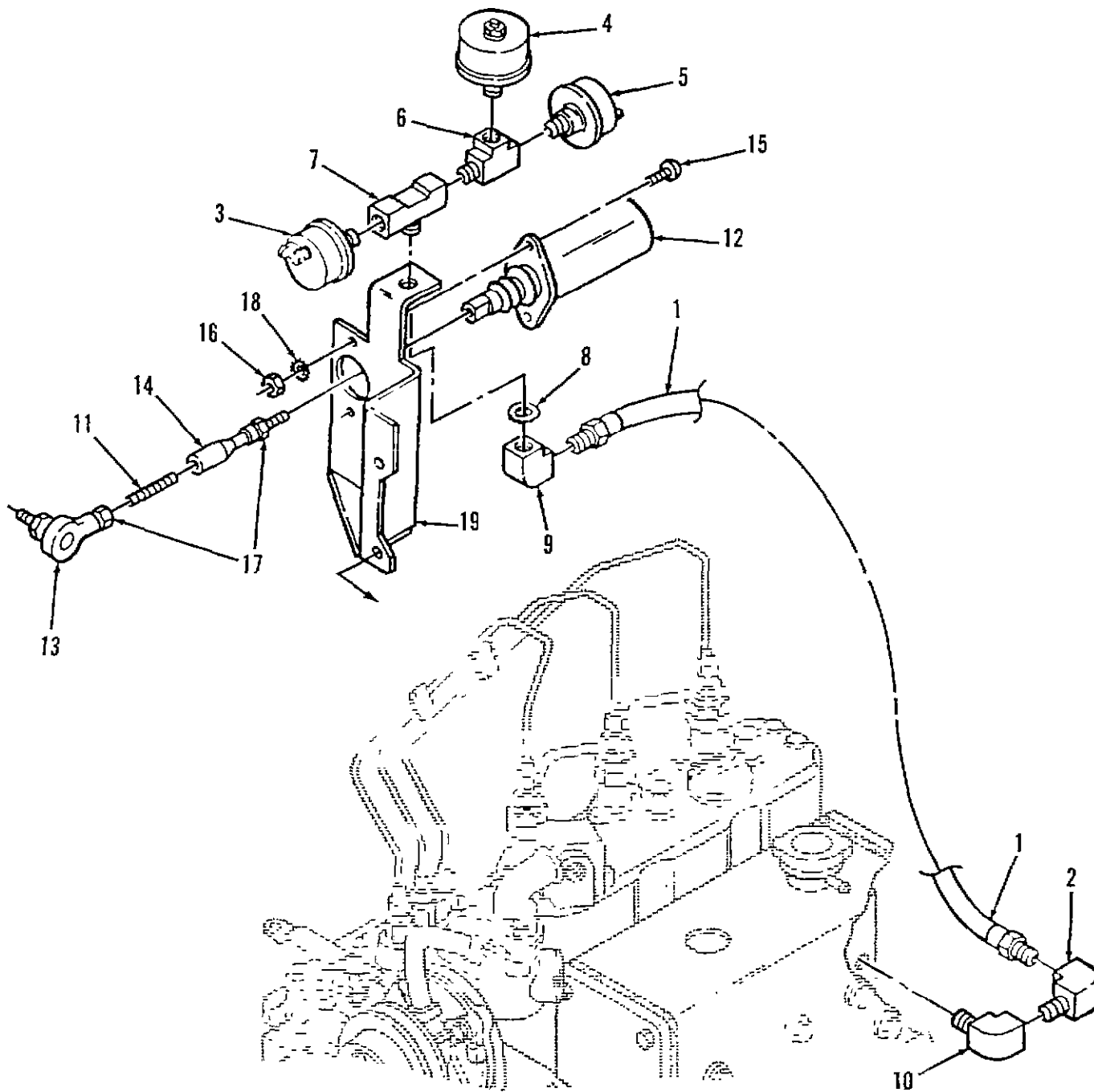
## Oil Pan & Dipstick



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2281	1	Pan, Oil
2	185-2212	1	Gasket
3	185-2226	18	Bolt, Hex with Lockwasher
4	185-2380	1	Washer, Lock ~ Spring (M6)
5	185-2220	1	Cup, Pickup - Oil
6	185-2399	1	Screw, Cap - Hex Head with Lockwasher (M8 x 1.25 x 16mm)
1	185-2371	1	O-Ring
8	185-2209	1	Indicator, Oil Level
9	504-0092	1	Cock. Valve (used through November 1984)
10	505-0120	1	Elbow, Pipe - Street. 90°
11	185-2210	1	Guide, Oil Indicator
12	185-2410	2	Gasket
13	800-2036	2	Screw, Cap - Hex Head (M6 x 1 x 30mm)

REF No.	PART NO.	QTY USED	PART DESCRIPTION
14	123-1693	1	Bracket, Oil Indicator Guide
15	185-2400	1	Screw, Cap - Hex Head with Lo&washer (M8 x 1.25 x 18mm)
16	185-2366	1	Nut, Hex (M8 x 1.25)
17	185-2377	3	Washer, Flat (MS)
18	503-0131	1	Clamp, Hose
19	503-0891	1	Hose, Rubber
20	123-1628	1	Spacer
21	505-0135	1	Nipple, Half - Used Beginning November 1984
22	504-0030	1	Valve, Cock - Used Beginning November 1984
23	505-0101	1	Nipple, Close - Used Beginning November 1984

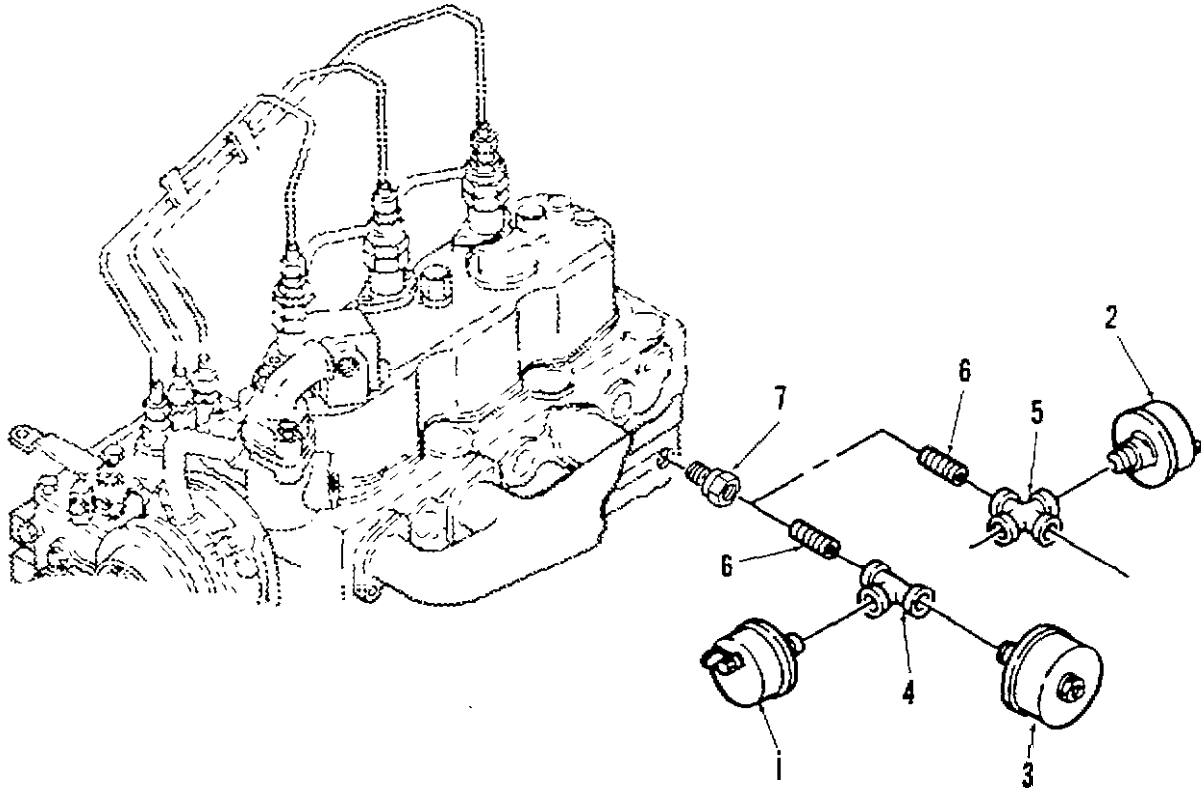
## Oil Pressure Switches (Remote Start Sets)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF No.	PART No.	QTY USED	PART DESCRIPTION
1	501-0005	1	Line, Fuel - Flexible 90'	8	856-0012	1	Washer, Lock - IT (7/16")
2	505-0049	1	Elbow, Pipe Street.	9	502-0005	1	Elbow, Pipe - 90'. Brass
3	309-0159	1	Switch, Pressure (S6)	10			Elbow, Pipe - Street, 90"
			(Power Latch)		505-0049	1	Used through February 1984
4			Sender, Pressure - Oil (El)		505-1342	1	Used Beginning March 1984
		1	(Not Used On All Applications)	11	520-0939	1	Stud, Solenoid - Stop
	193-0244	1	Single Pole	12	307-2546	1	Solenoid, Stop
	193-0404	1	Double Pole	13	150-1995	1	Ball, Joint
5			Switch, Pressure (S1)	14	150-1733	1	Ball, Joint
			(Shutdown)	15	813-0102	2	Screw, RHM (#10-32 x .62")
	309-0064	1	Single Pole	16	870-0131	2	Nut (#10-32)
	309-057s	1	Double Pole	17	115-0025	2	Nut, Tappet (1/4-28)
6	502-0058	1	Tee, Pipe - Brass (1/8) (Not Used On All Applications)	18	856-0003	2	Washer, Lock - EIT (#10)
				19	150-1992	1	Bracket, Mounting - Stop
7	502-0057	1	Tee, Pipe - Brass (1/8)				Solenoid



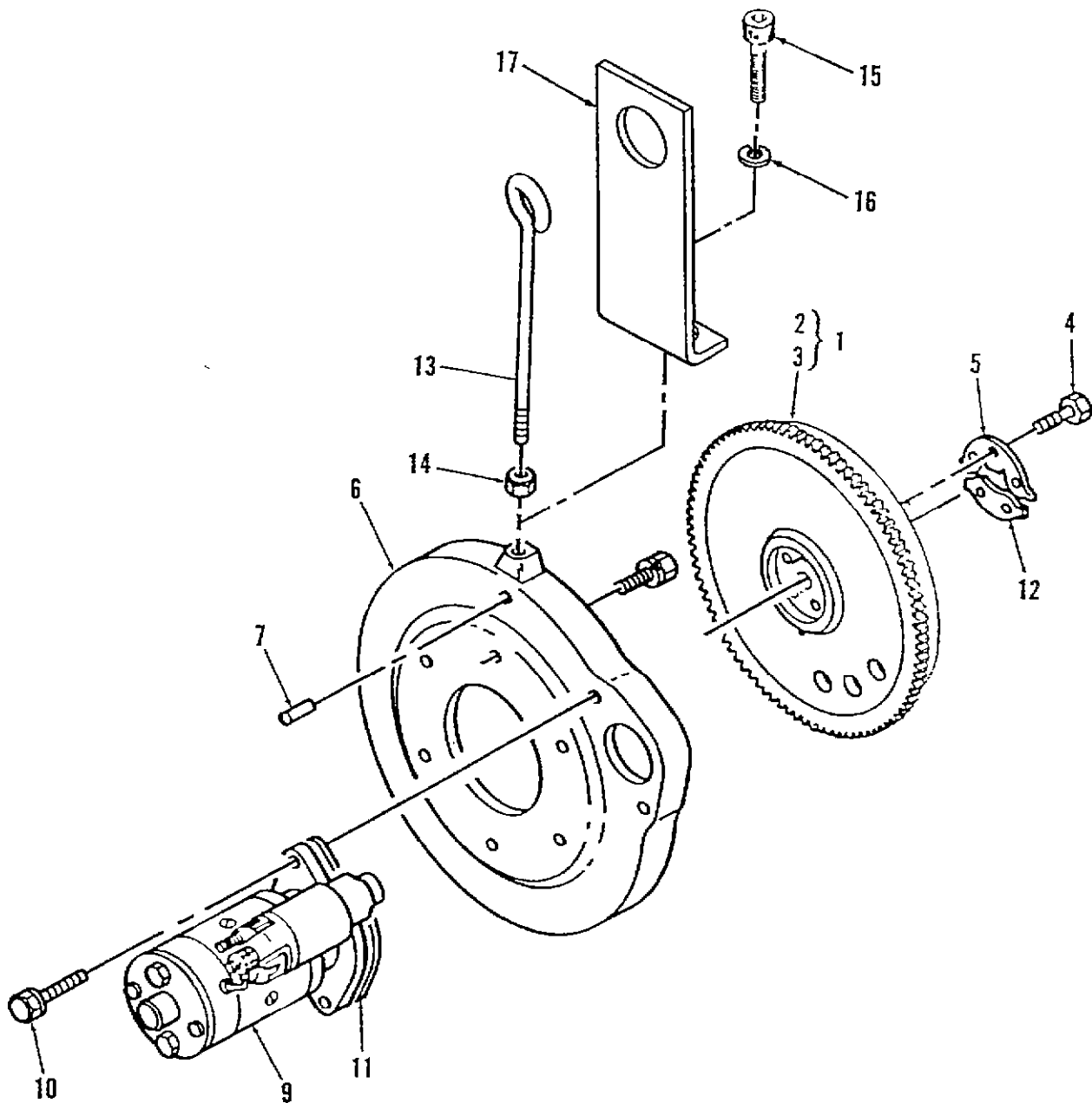
# Oil Pressure Switches (Manual Start Sets)



LS-1136

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	309-0064	1	Switch. Pressure - Oil (S1) (Shutdown)	4	505-0059	1	Tee, Pipe - Iron
2	309-0159	1	Switch. Pressure - Oil (S6)	5	505-0763	1	Cross, Pipe - Iron
3	193-0244	1	Switch. Pressure - Oil (EI)	6	505-0098	1	Nipple, Pipe - Close
			Adapter, Pipe - Brass (Used Beginning March 1984)	1	502-0917	1	

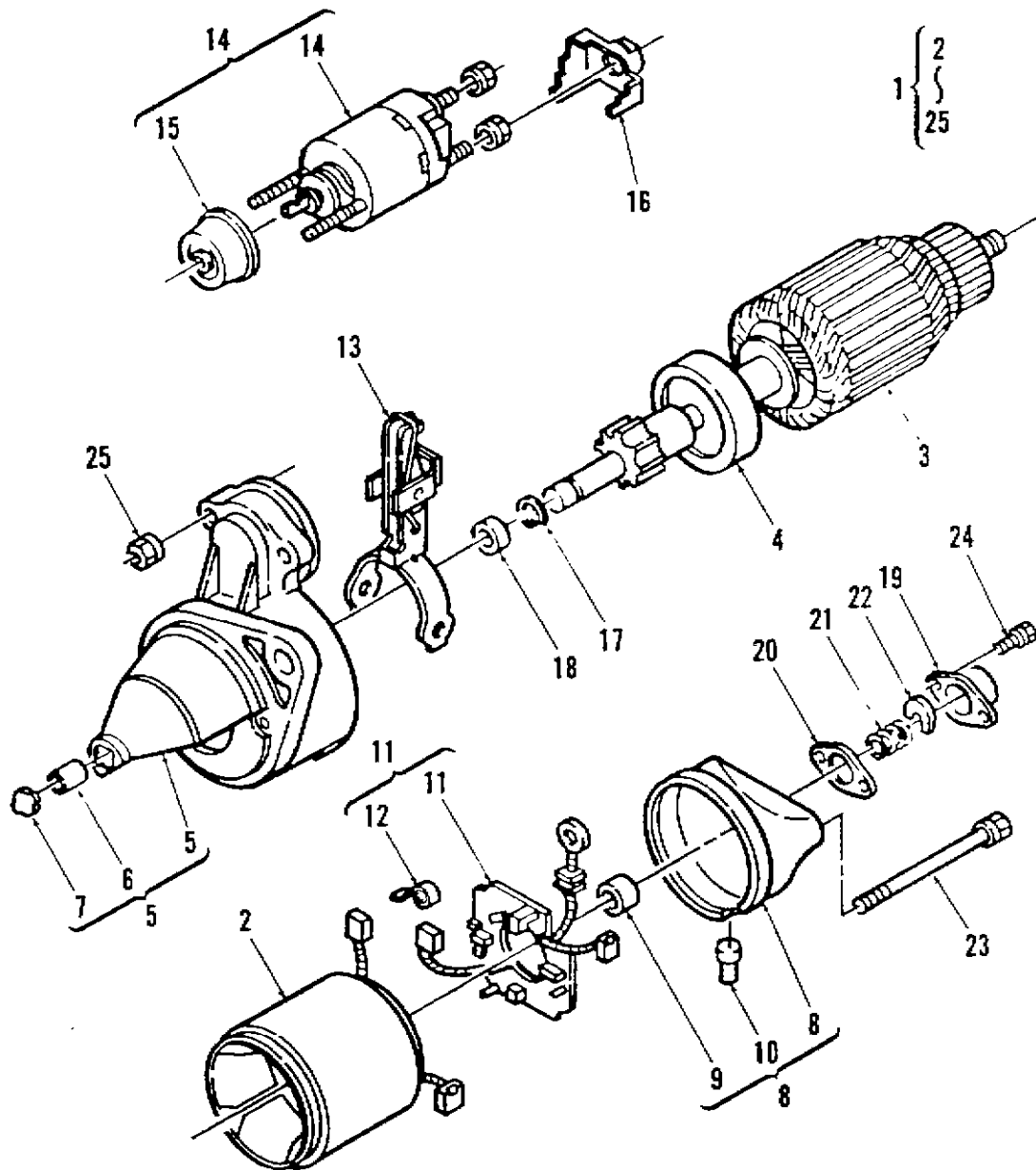
## Flywheel & Starter



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2308	1	Flywheel (Includes Gear Ring)
2	NFS		Flywheel
3	185-2170	1	Gear, Ring
4	185-2301	5	
5	185-2218	1	Plate, Locking - Bolt/Nut
6	185-2417	1	Adapter, Generator
7	775-0072	1	Pin, Straight
8	185-2178	1	Bolt, Hex with Lockwasher
9	185-2116	1	starter (12VDC) (See separate Figure for Replacement Parts)
10	185-2404	2	Screw, Cap - Hex Head with Lockwasher (MB X 1.25 X 28mm)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
11	185-2314	1	Gasket
12	185-2219	1	Plate, Locking - Bolt/Nut
13	403-2214	1	Bolt, Eye (Used Through Spec A)
14	862-0003	1	Nut, Hex (3/8-16) (Used Through Spec A)
15	802-0072	1	Screw, Socket Head (3/8-16 x 1")
16	850-0050	1	Washer, Lock - Spring (3/8")
17	403-2634	1	Bracket, Lifting (Begin Spec B)

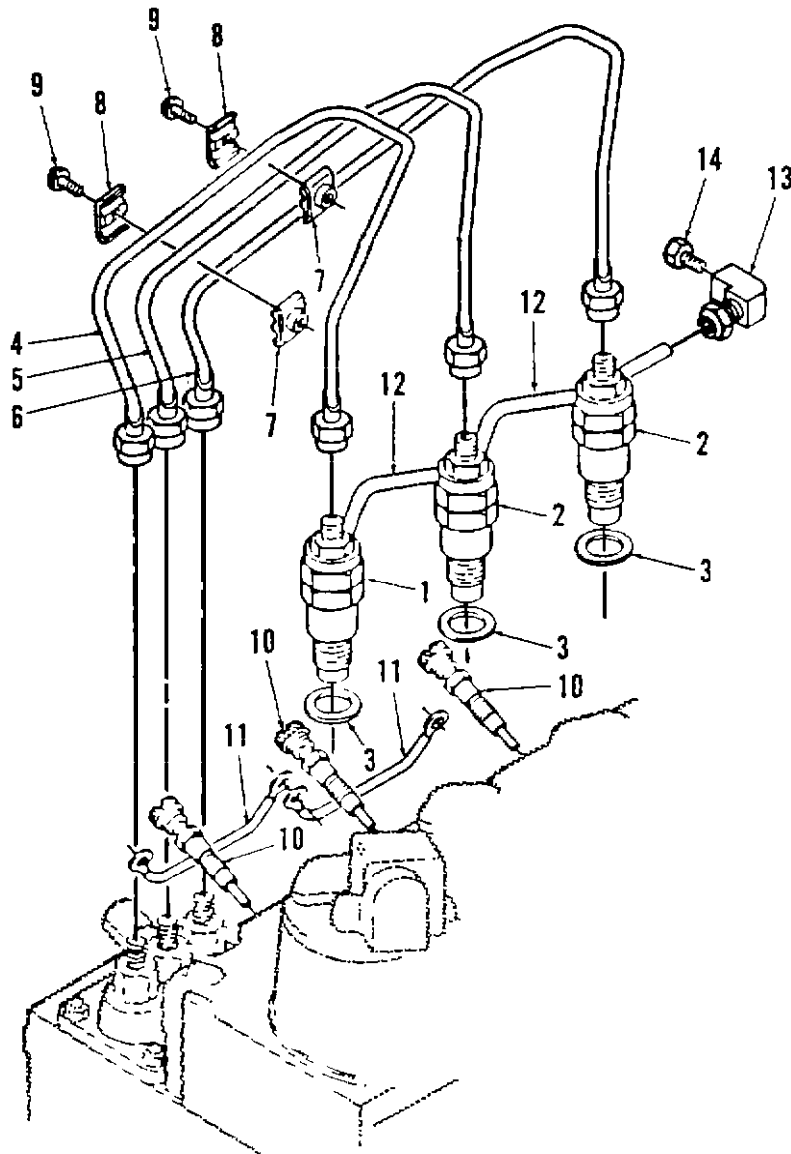
## Starter - Exploded View



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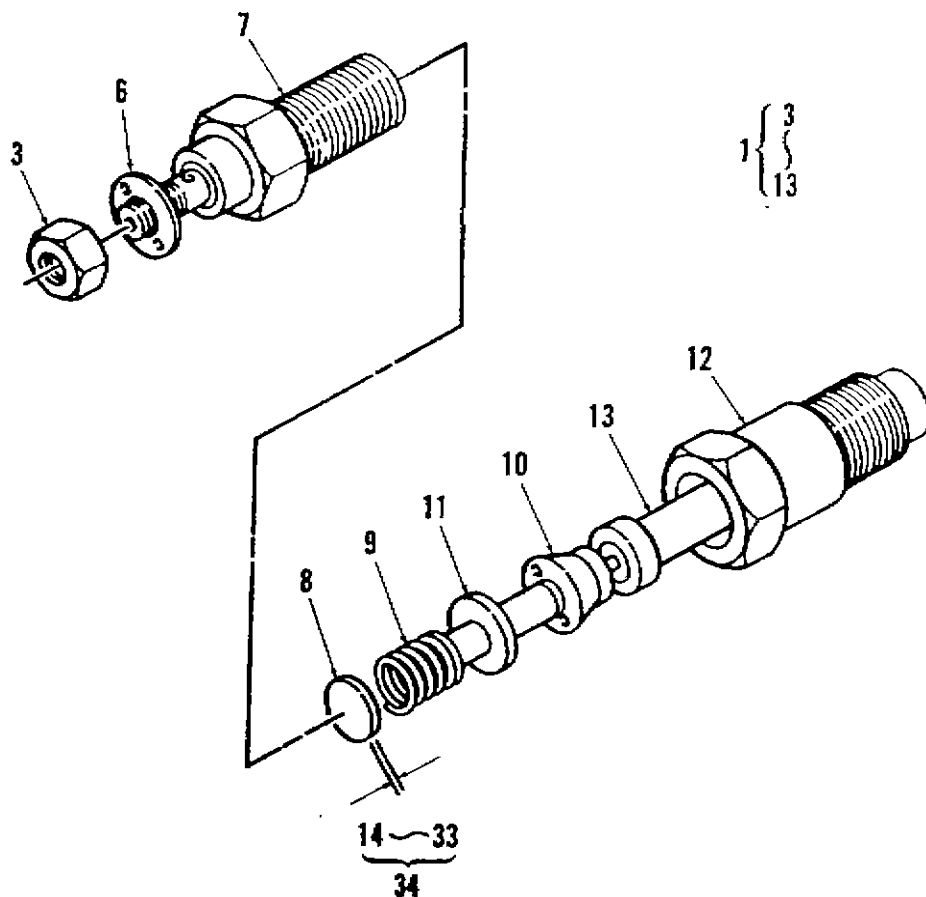
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	185-2116	1	Starter (12VDC) (Complete)	14	185-2117	1	Solenoid
2	185-2322	1	Coil, Field	15	185-2331	1	Cover, Plunger
3	185-2321	1	Armature	16	185-2323	1	Insulator, Terminal
4	185-2319	1	Clutch	17	185-2111	1	Ring, Retaining
5	185-2118	1	Housing, Drive End	18	185-2195	1	Spacer, Sleeve
6	185-2295	1	Bushing, Sleeve	19	185-2332	1	Housing
7	185-2335	1	Cover	20	185-2333	1	Gasket
8	185-2326	1	Housing, Brush End	21	185-2325	1	Spring
9	185-2327	1	Bushing, Sleeve	22	185-2324	1	Clip, Retaining
10	185-2119	1	Cover	23	185-2328	2	Bolt, Hex
11	185-2329	1	Brush Rig	24	185-2383	2	Screw, Machine - Pan Head with Lockwasher (M4 x .5 x 14MM)
12	185-2330	4	Spring	25	185-2334	2	Nut, Hex
13	185-2320	1	Lever, Drive				

## Glow Plug & Injection Nozzles



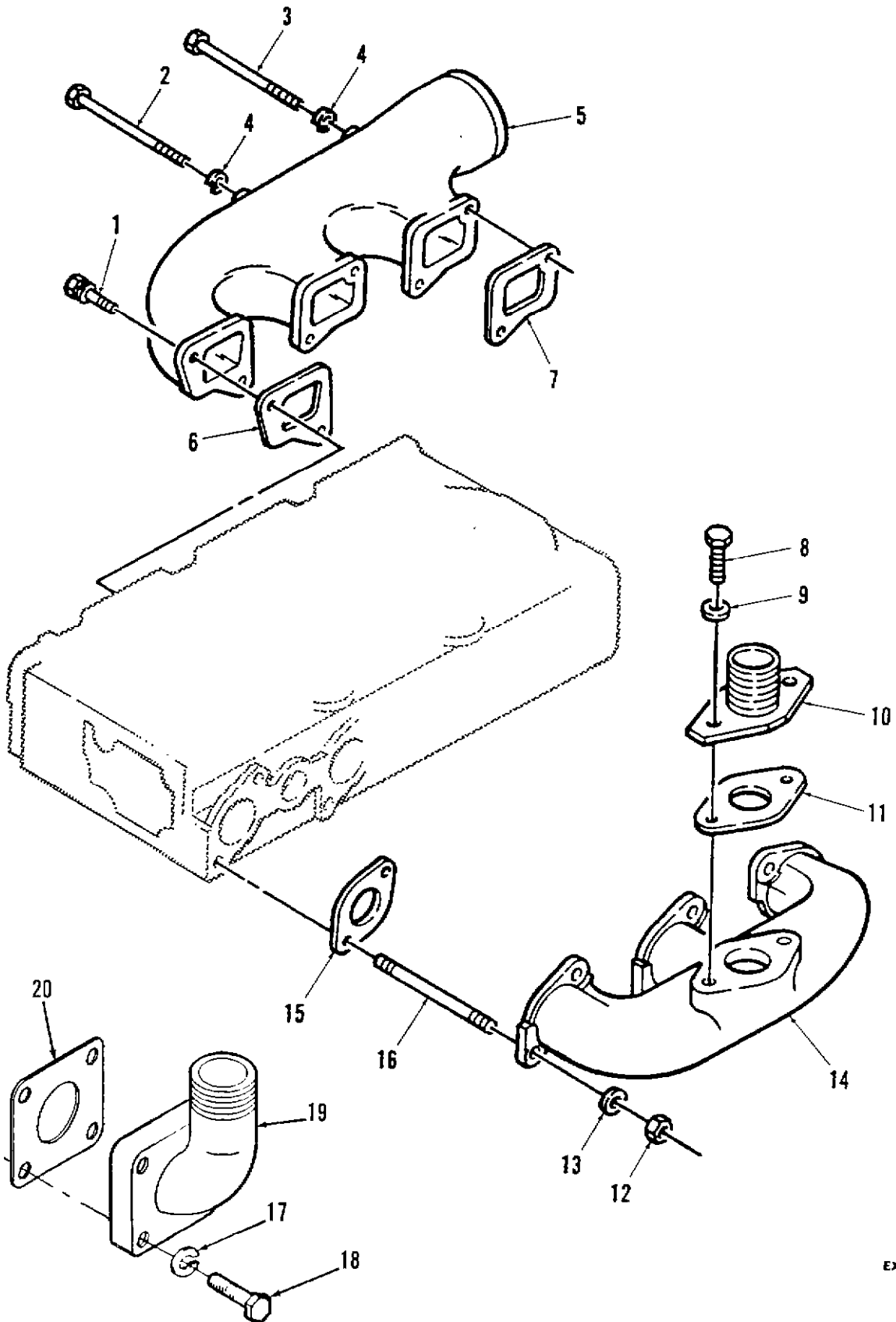
REF P A R T NO. NO.	QTY USED	PART DESCRIPTION	AEF NO.	PART NO.	QTY USED	PART DESCRIPTION
1 185-2436	1	Nozzle, Injection - Fuel (See separate Page for Components)	8	185-2345	2	Clamp
2 185-2436	2	Nozzle, Injection - Fuel (See separate Page for Components)	9	185-2385	2	Screw, Machine - Pan Head with Lockwasher (M5 x .8 x 20mm)
3 185-2294	3	Gasket	10	185-2289	3	Plug, Glow (12 VDC)
4 185-2159	1	Line, Fuel - Injection	11	m-2172	2	Lead, Electrical
5 185-2160	1	Line, Fuel - Injection	12	185-2437	1	Tube, Fuel - Overflow
6 185-2224	1	Line, Fuel - Injection	13	502-0886	1	Elbow, Tube to Pipe, 90'
7 185-2344	2	Clamp	14	502-0175	1	Adapter, Pipe - Hex (Used Beginning November 1984)

## Injection Nozzle - Components



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2436	1	Nozzle, Injection (Complete)	20	185-2138	Shim	{1.30mm}
3	185-2107	1	Nut, Hex	21	165-2139	Shim	{1.35mm}
6	185-2109	1	Washer, Flat	22	185-2140	Shim	{1.40mm}
7	NFS		Screw, Adjusting - Pressure	23	185-2141	Shim	{1.45mm}
8	185-2099	1	Shim	24	185-2142	Shim	{1.50mm}
9	185-2098	1	Spring	25	195-2143	Shim	{1.55mm}
10	185-2101	1	spacer	26	185-2144	Shim	{1.60mm}
11	185-2097	1	Spindle	27	185-2145	Shim	{1.65mm}
12	185-2100		Holder, Nozzle	28	185-2146	Shim	{1.70mm}
13	185-2459		Nozzle, Injection - Fuel	29	185-2147	Shim	{1.75mm}
14	185-2132		Shim {1.00mm}	30	185-2148	Shim	{1.80mm}
15	185-2133		Shim {1.05mm}	31	185-2149	Shim	{1.85mm}
16	185-2134		Shim {1.10mm}	32	185-2150	Shim	{1.90mm}
17	185-2135	1	Shim {1.15mm}	33	185-2151	Shim	{1.95mm}
18	185-2136		Shim {1.20mm}	34	165-2444	Shim Pkg	
19	185-2137		Shim {1.25mm}				

Inlet/Exhaust Manifold



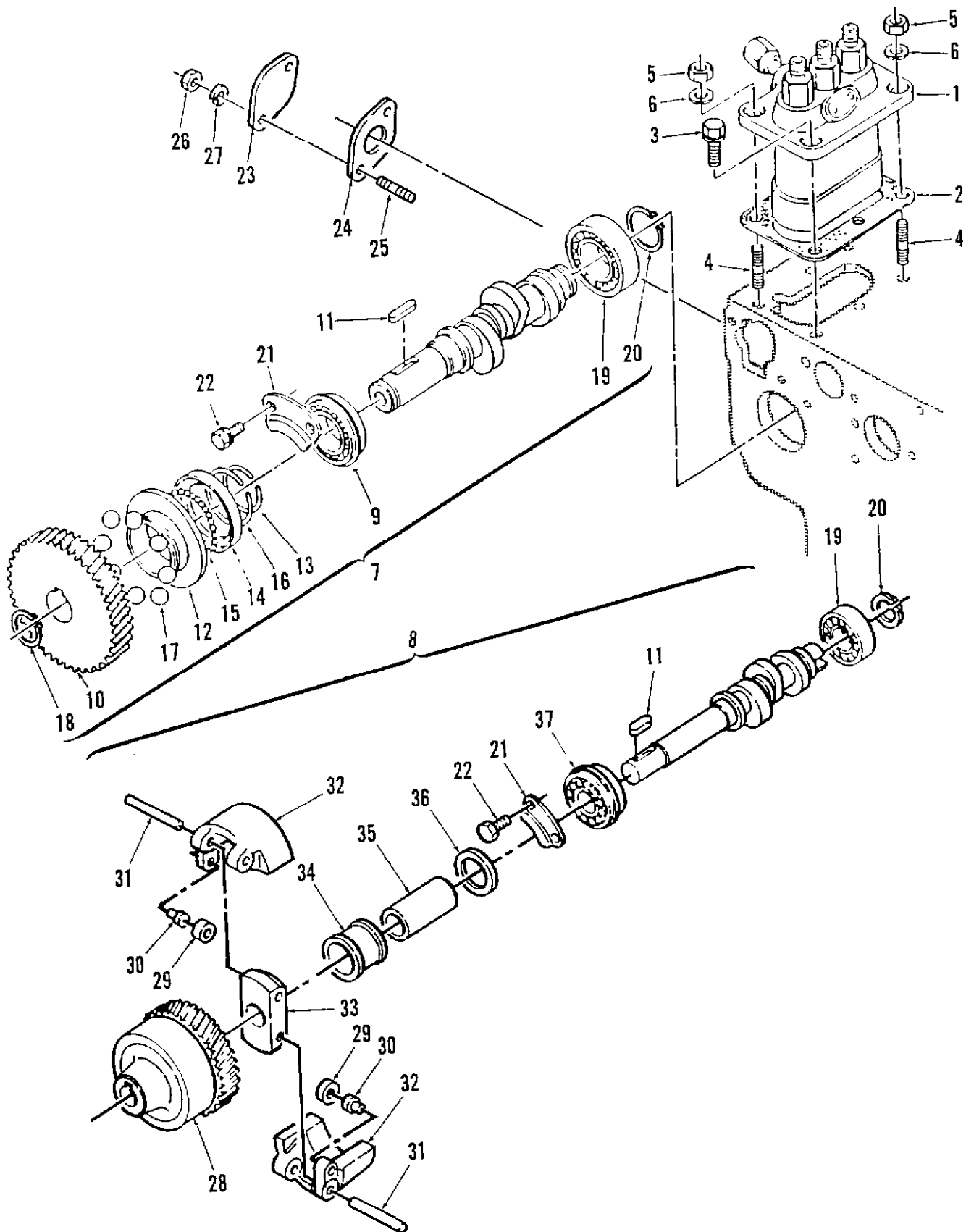
EXS-1115

# Inlet/Exhaust Manifold

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2390	4	Screw, Cap Hex Head with Lockwasher (M6 x 1 x 20mm)	15			Gasket, Manifold - Exhaust
2	185-2253	1	Bolt, Hex		185-2131	3	Spec A-C
3	185-2225	1	Bolt, Hex		154-2471	1	* Spec D
4	850-2006	2	Washer, Lock Spring (M6)	16			Stud, Manifold - Exhaust
5	185-2307	1	Manifold, Inlet		185-2227	6	Spec A-C
6	185-2129	1	Gasket		520-0944	6	* Spec D
7	185-2130	2	Gasket	17	850-2058	4	Washer, Lock Spring
8	815-0585	2	Screw, Cap - Hex Head (M10 x 1.25 x 20mm)				(M8) (Spec D)
9	5X-2120	2	Washer, Flat (M10)	18	800-2059	4	Screw, Cap - Hex Head
10	154-2485	1	Adapter, Exhaust				(M8 x 1.25 x 30mm) (Spec D)
11	185-2203	1	Gasket, Manifold - Exhaust (Spec A-C)	19	155-2666	1	Elbow, Exhaust (Spec D)
12	860-2007	6	Nut, Hex (M6)				(Attaches to 154-2880,
13	850-2006	6	Washer, Lock - Spring (M6)				Spec D, Exhaust Manifold)
14			Manifold, Exhaust	20	155-2619	1	*Gasket, Elbow - Exhaust
	185-2214	1	Spec A-C				(Spec D)
	154-2880	1	* Spec D				

\* - These parts are shipped loose by Kubota.

# Fuel System - Injection Pump & Driveshaft



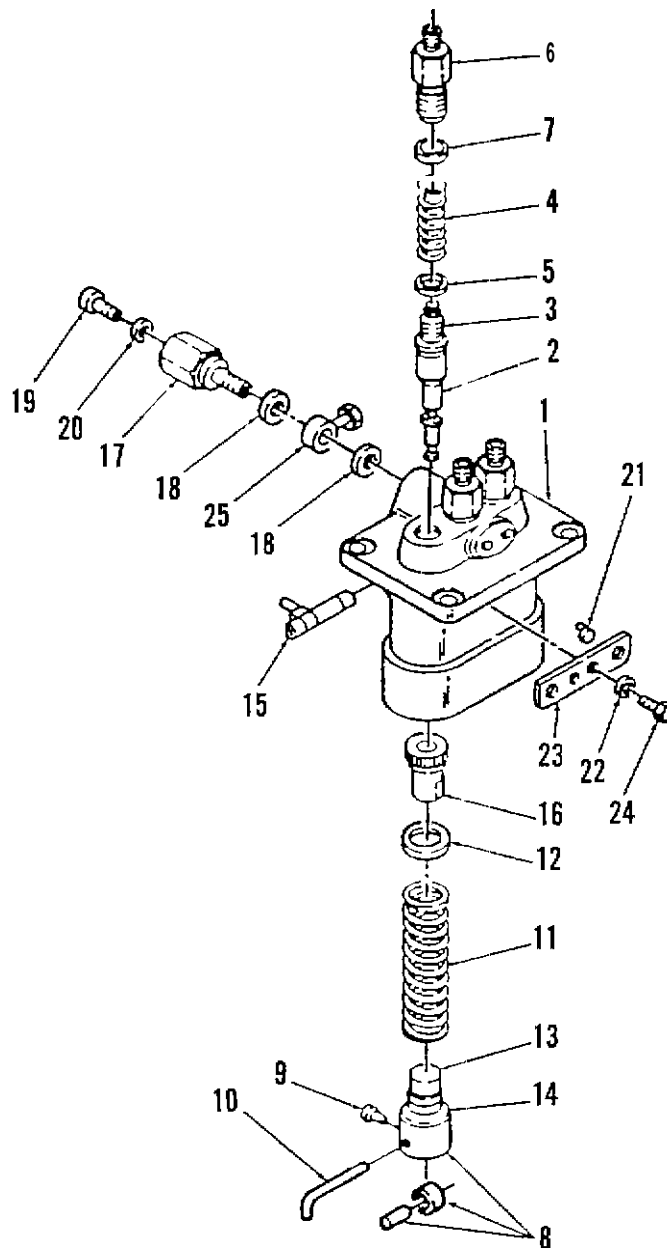


## Fuel System Injection Pump and Driveshaft

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	m - 2 2 2 1	1	Pump. Injection - Fuel (See Separate Page for Components)	21	185-2085	1	Plate, Retaining
2	185-2223	4	Shim (0.15mm)	22	185-2386	2	Screw. Cap - Hex Head with Lockwasher (M6 x 1 x 12mm)
3	185-2402	2	Screw. Cap - Hex Head with Lockwasher (M8 x 1.25 x 22mm)	23	185-2418	1	Cover. Fuel Pump Mounting Hole
4	185-2106	2	Stud (M8 x 1.25)	24	185-2125	1	Gasket
5	185-2367	2	Nut, Hex (M8 x 1.25)	25	185-2359	2	Stud (M6 x 1 x 16mm)
6	185-2381	2	Washer. Lock - Spring (M8)	26	750-1004	2	Nut. Hex (M6 x 1)
7	185-2083	1	Shaft Assembly, Fuel (Style I Governor)	27	185-2380	2	Washer. Lock - Spring (M6)
8	185-2446	1	Shaft Assembly, Fuel (Style II Governor)	28	185-2448	1	Gear
9	185-2316	1	Bearing. Ball	29	165-2443	2	Roller
10	185-2158	1	Gear	30	NFS	2	Pin. Straight - Headed
11	185-2354	1	Key	31	185-2452	2	Pin. Straight - Headless
12	185-2162	1	Retainer. Ball - Governor	32	815-2454	2	Weight. Governor (Includes Pivot Pins)
13	185-2163	1	Ring. Retaining	33	185-2453	1	Holder. Weight
14	185-2164	1	Race. Ball - Governor	34	185-2449	1	Sleeve
15	185-2357	30	Ball	35	185-2451	1	Collar
16	185-2165	1	Ring. Retaining	36	185-2450	1	Washer. Thrust
17	185-2358	7	Ball	37	185-2447	1	Bearing. Ball
18	185-2369	1	Ring. Retaining				
19	815-2315	1	Bearing. Ball				
20	185-2370	1	Ring. Retaining				

NOTE: See Introduction for governor style  
identification.

## Injection Pump - Components

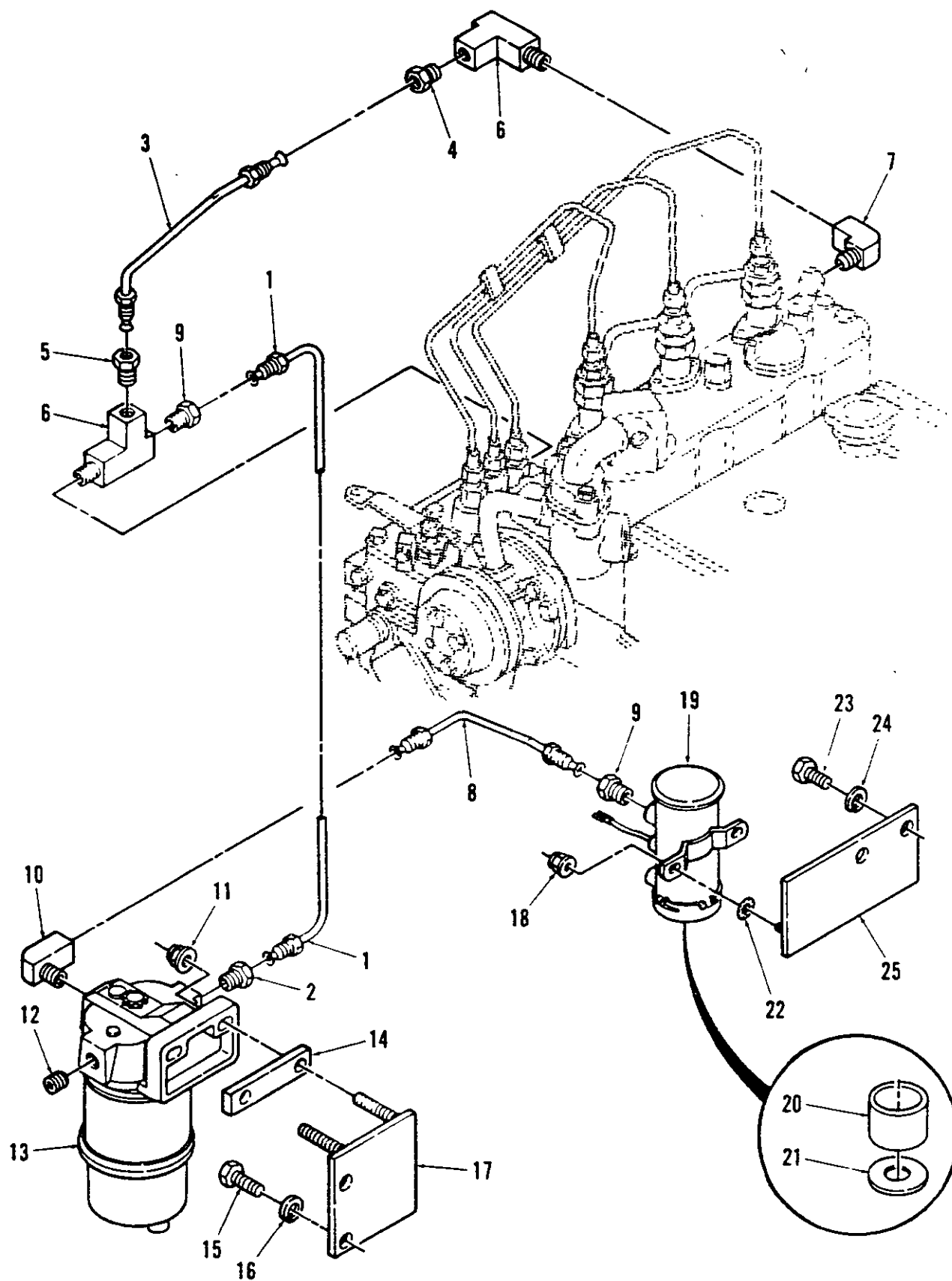


REF ND.	PART No.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2221	REF	Pump, Injection - Fuel	16	NFS		Shaft, Fuel Control
2	NFS		Housing, Pump	11	NFS		Sleeve, Fuel Control
3	NFS		Plunger, Delivery Valve	18	NFS		Vent. Air
4	NFS		Valve, Delivery	19	185-2197	2	O-Ring
5	NFS		Spring	20	NFS		Screw. Cap - Hex Head (Air Vent)
6	185-2196	3	Gasket	21	185-2318	1	O-Ring
7	NFS		Connector, Fuel Line	22	NFS		Collar
a	X35-2198	3	O-Ring	23	NFS		Washer, Lock - Spring
	NFS		Tappet (Includes Roller and Shaft)	24	NFS		Plate, Adjusting
9				25	NFS		Screw. Cap - Hex Head
10	NFS		Pin, Shouldered	26	185-2415	1	Adapter, Line - Fuel
11	NFS		Pin, Roller Shaft	27	147-0736	1	Joint, Eye (Injection Pump Inlet) (Spec D) (Shipped loose by Kubota) (Not illustrated)
12	NFS		Spring				
13	NFS		Seat, Spring - Upper				
14	NFS		Seat, Spring - Lower				
15	NFS		Shim				



Fuel System - With Electrical Pump and Filter  
 (RV - Spec A and B)  
 (Aux - Spec B and C)

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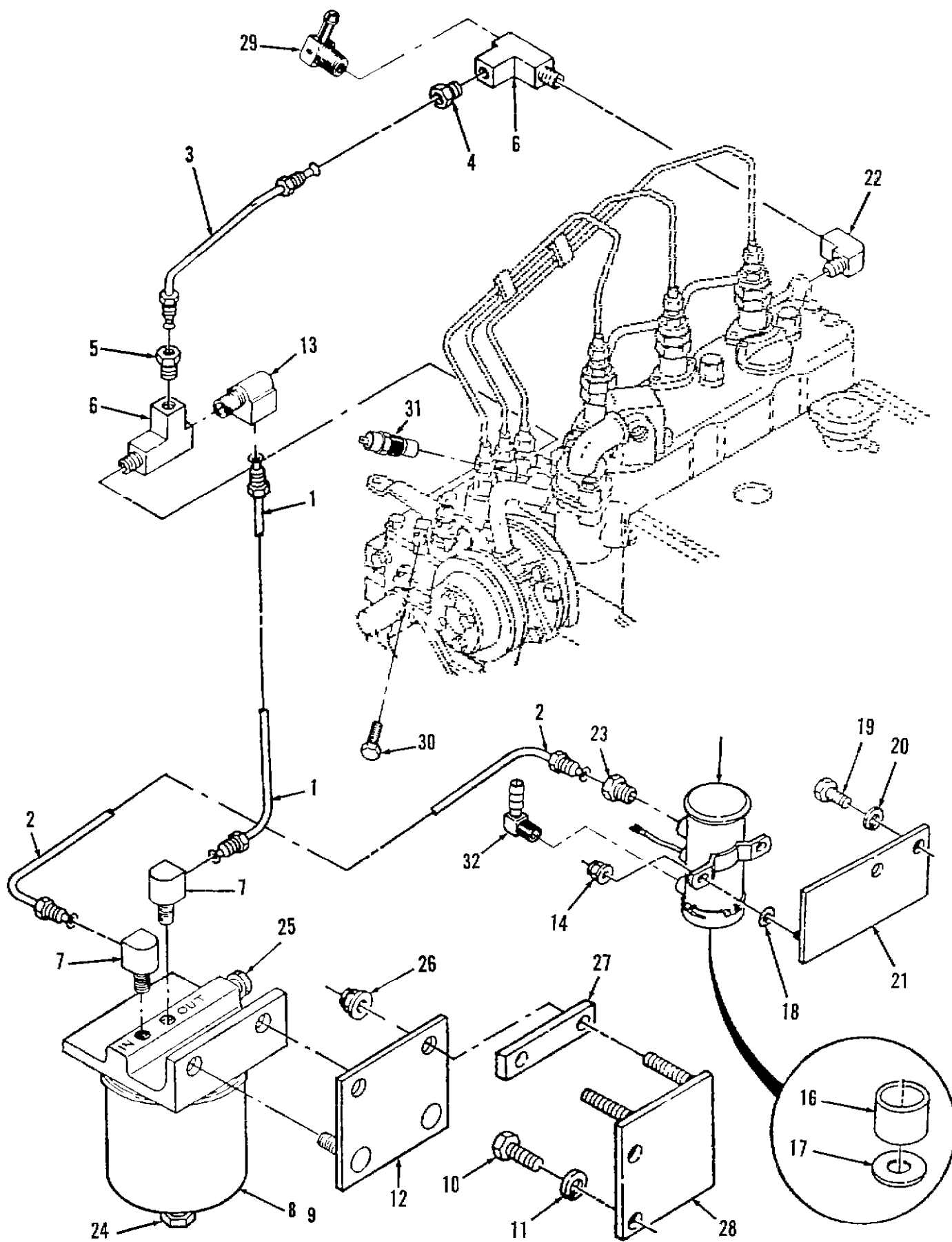


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**Fuel System - With Electrical Pump and Filter**  
**{RV - Spec A and B}**  
**{Aux - Spec B and C}**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF No.	PART NO.	QTY USED	PART DESCRIPTION
1	149-1945	1	Line, Fuel	14	149-1922	1	Spacer. Filter - Fuel
2	502-0033	1	Adapter, Pipe - Hex	1 5	815-0586	2	Screw. Cap - Hex Head (M10 x 1.25 x 16mm)
3	149-1944	1	Line. Fuel	16	850-2010	2	Washer, Lock - Spring (M10)
4	502-0281	1	Adapter, Pipe - Hex with Restrictor Plug	17	149-1920	1	Plate. Mounting - Fuel Filter
5	502-0097	1	Adapter, Pipe - Hex	18	870-0212	2	Nut. Self-locking - Hex Washer Head (1/4-20)
6	502-0058	2	Pipe. Tee	1 9	149-1828	1	Pump, Fuel - Electric (12 VDC)
7	502-0886	1	Elbow, Tube to Pipe - 90'	20	149-1445	1	Filter. Pump - Fuel
8	149-1932	1	Line, Fuel	21	149-1446	1	Gasket, Cover - Fuel Pump
9	502-0003	2	Adapter, Pipe - Hex	22	856-0006	2	Washer, Lock - EIT (1/4)
10	502-0041	1	Pipe, Elbow - Street, 90'. Brass	2 3	815-0586	2	Screw, Cap - Hex Head (M10 x 1.25 x 16mm)
11	870-0257	2	Nut, Self-Locking - Hex Washer Head (5/16-18)	24	850-2010	2	Washer. Lock - Spring (M10)
12	505-0180	1	Plug. Pipe - Square Socket Drive	25	149-1921	1	Plate, Mounting - Fuel Pump
13	149-1908-04	1	Filter/Separator - Fuel (Pressure Type) (See separate Page for Components)				
	149-1908-06	1	Filter/Separator - Fuel (Pressure Type) (Includes Electric Fuel Heater and Bow) Heater) (See Separate Page for Components)				

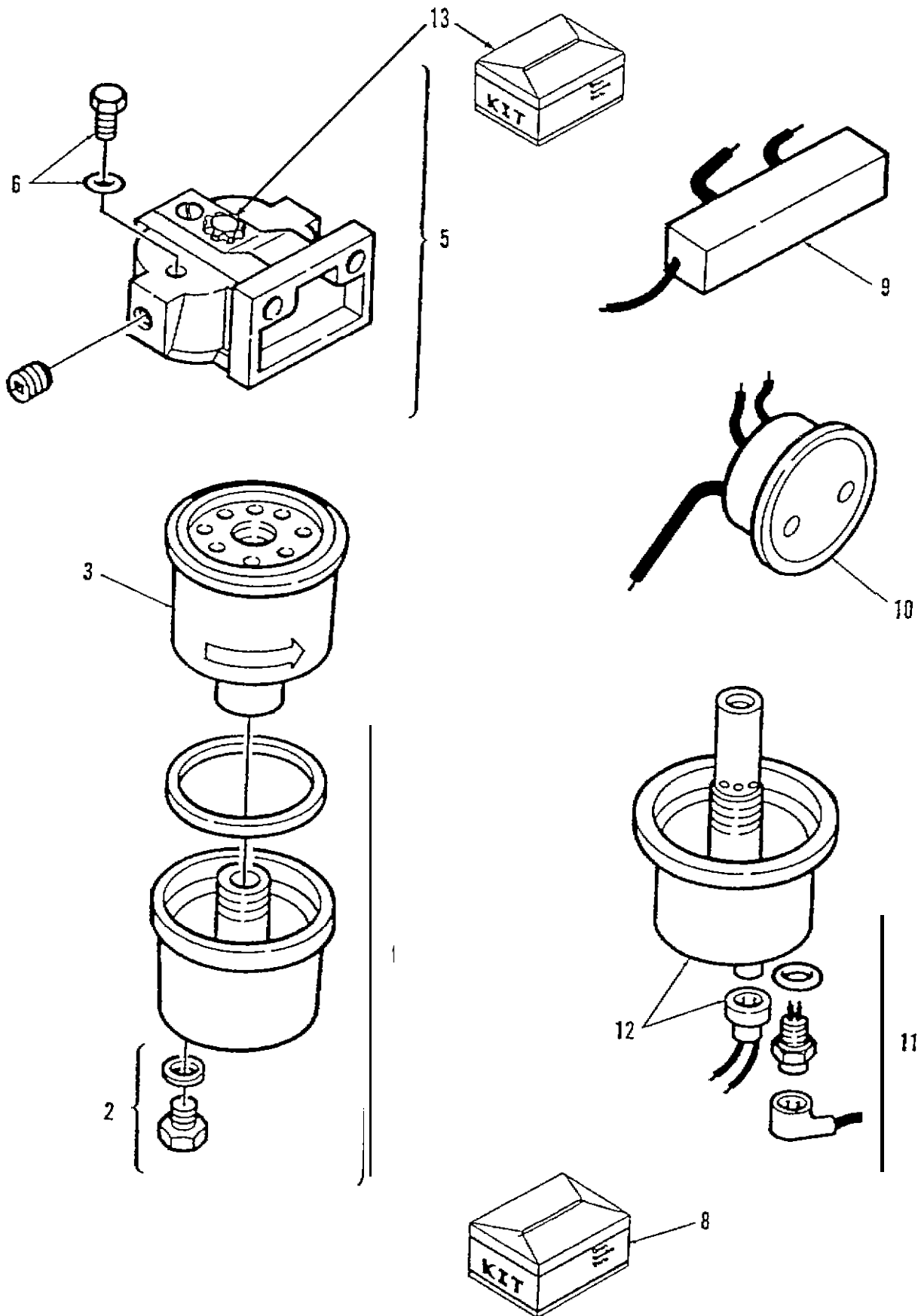
**Fuel System - With Electrical Pump and Filter**  
(RV - Spec C-O)



Fuel System - With Electrical Pump and Filter  
(RV - **Spec C-D**)

REF NO.	PART ND.	QTY USED	PART DESCRIPTION	REF ND.	PART NO.	QTY USED	PART DESCRIPTION
1	149-2102	1	Line, Fuel - Flexible	16	856-0006	2	Washer, Lock - EIT (1/4)
2	149-2101	1	Line, Fuel - Flexible	19	815-0586	2	Screw, Cap - Hex Head (M10 x 1.25 x 16mm)
3	149-1944	1	Line, Fuel - Flexible	20	850-2010	2	Washer, Lock - Spring (M10)
4	502-0281	1	Adapter, Pipe - Hex with Restrictor Plug	21	149-1921	1	Plate, Mounting - Fuel pump
5	502-0097	1	Adapter, Pipe - Hex	22	502-0886	1	Elbow, Tube to Pipe - 90'
6	502-0058	2	Pipe, Tee	23	502-0003	1	Adapter, Pipe - Hex
7	502-0041	2	Connector, Male - Inverted, 90'	24	502-0028	1	Plug, Drain
8	149-2100	1	Filter Assembly, Fuel	25	149-2234	1	Vent. Air
9	149-2106	1	Element, Filter - Fuel	26	870-0257	2	Nut, Self-lacking - Hex Washer Head (5/16-18)
10	815-0600	2	Screw, Cap - Hex Head (M10 x 1.25 x 25mm)	27	149-1922	1	Spacer, Mounting - Fuel Filter
11	850-2010	2	Washer, Lock - Spring (M10)	28	149-1920	1	Plate, Mounting - Fuel Filter
12	149-2108	1	Bracket, Mounting - Fuel Filter	29	502-0433	1	Elbow, Hose - Male (1/8NPT x 5/16 ID Hose) (Spec D)
13	502-0002	1	Elbow, Male - Inverted	30	815-0649	1	Screw, Cap - Hex Head (M6 x 1.0 x 25) (Spec 0)
14	870-0212	2	Nut, Self-locking - Hex Washer Head (1/4-20)	31	309-0513	1	Switch (Spec D)
15	149-1828	1	Pump, Fuel - Electric (12 VDC)	32	502-0313	1	Elbow, Hose - 90' (1/8 NPT x 1/4 ID Hose) (Spec D)
16	149-1445	1	Filter, Pump - Fuel				
17	149-1446	1	Gasket, Cover - Fuel Pump				

# Fuel/Water Separator

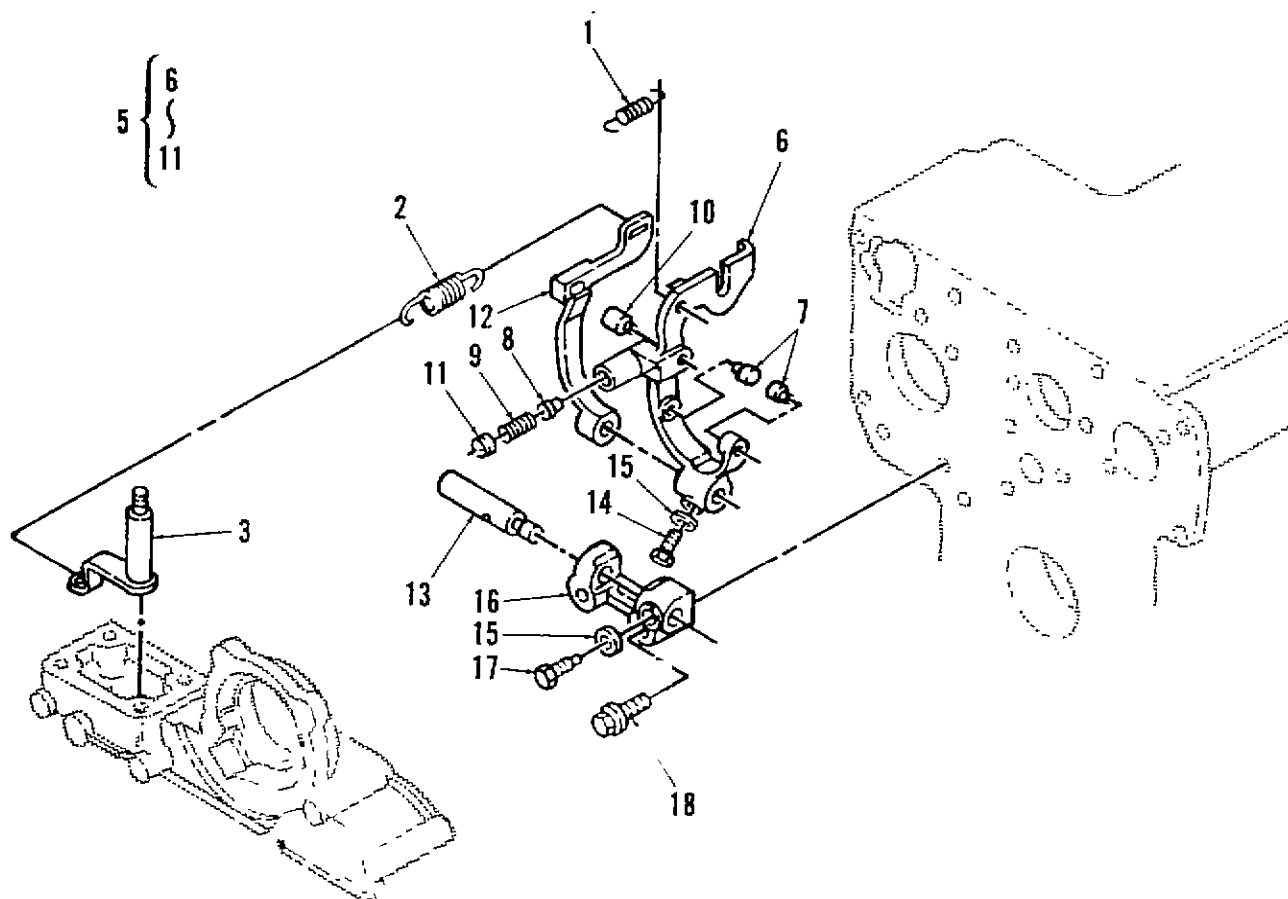




## Fuel/Water Separator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Filter/Separator. Fuel Complete (Pressure Applications)	8	149-2045	1	Seal Kit. Separator = Fuel/Water (Includes all O-Ring Seals and Plunger)
	149-1908-04	1	Without Fuel and Bowl Heaters	9	149-1971	1	Alarm/Tight = Wafer Sensor (Rectangular)
	149-1908-06	1	With Fuel and Bowl Heaters	10			Alarm/Tight = Water Sensor (Round)
1	149-2046	1	Bowl. Metal = Replacement (Includes Seals. Plugs, and Drain Assembly]		149-1972	1	12 Volt DC
2	149-1953	1	Drain Assembly (Includes Knob and Seal)		149-2048	1	24 Volt DC
3	149-1914-04	1	Element, Filter (Includes O-fling Seal) (2 Micron)	11	149-2044	1	Probe Assembly (Includes Connector and O-Ring Seal)
				12			Heater Assembly (Includes Metal Bowl)
					149-1978	1	12 Volt DC
					149-1970	1	24 Volt DC
5	149-1949	1	Head Assembly. Replacement (Includes Vent Plug. O-Ring Seals. Pump Assembly and Tube)	13	149-2047	1	Replacement Kit = Pump (Includes Knob. Shaft, Plunger. Ball and Ring) (The only way to get a replacement knob!)
6	149-1952	1	Plug. Vent (Includes Seal)				

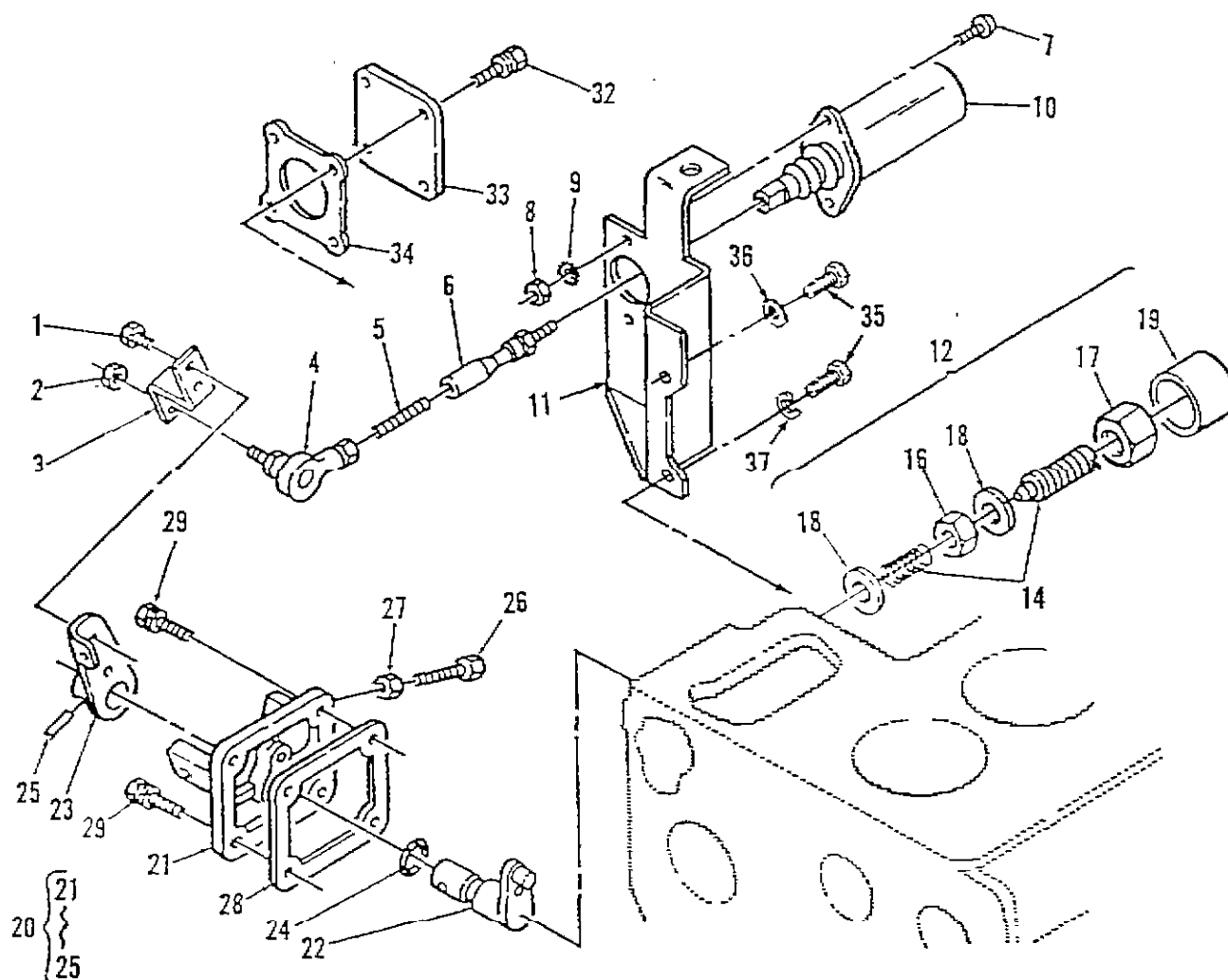
# Governor



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2103	1	Spring	9	NFS		Spring
2			spring, Governor	10	NFS		Pivot
			Style I	11	NFS		Screw, Adjusting
	185-2466	1	50 Hz	12	185-2262	1	Lever, Governor (Style I Gov.)
	185-2427	1	60 Hz		185-2442	1	Lever, Governor (Style II Gov.)
	185-2440	1	Style II				
3	185-2261	1	Lever, with Shaft - Governor	13	185-2166	1	Shaft
5	185-2310	1	Lever Assembly, Governor	14	718-1006	1	Screw, Cap - Hex Head (M5 x .5 x 16mm)
			(Style I Gov.)				
	185-2441	1	Lever Assembly, Governor	15	185-2379	1	Washer, Lock - Spring (M5)
			(Style II Gov.)	16	185-2167	1	Holder, Lever - Governor
6	NFS		Lever	17	185-2173	1	Bolt, Hex
7	NFS		Follower, Cam	18	185-2392	2	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 28mm)
8	NFS		Plug				

NOTE: See introduction for governor style identification.

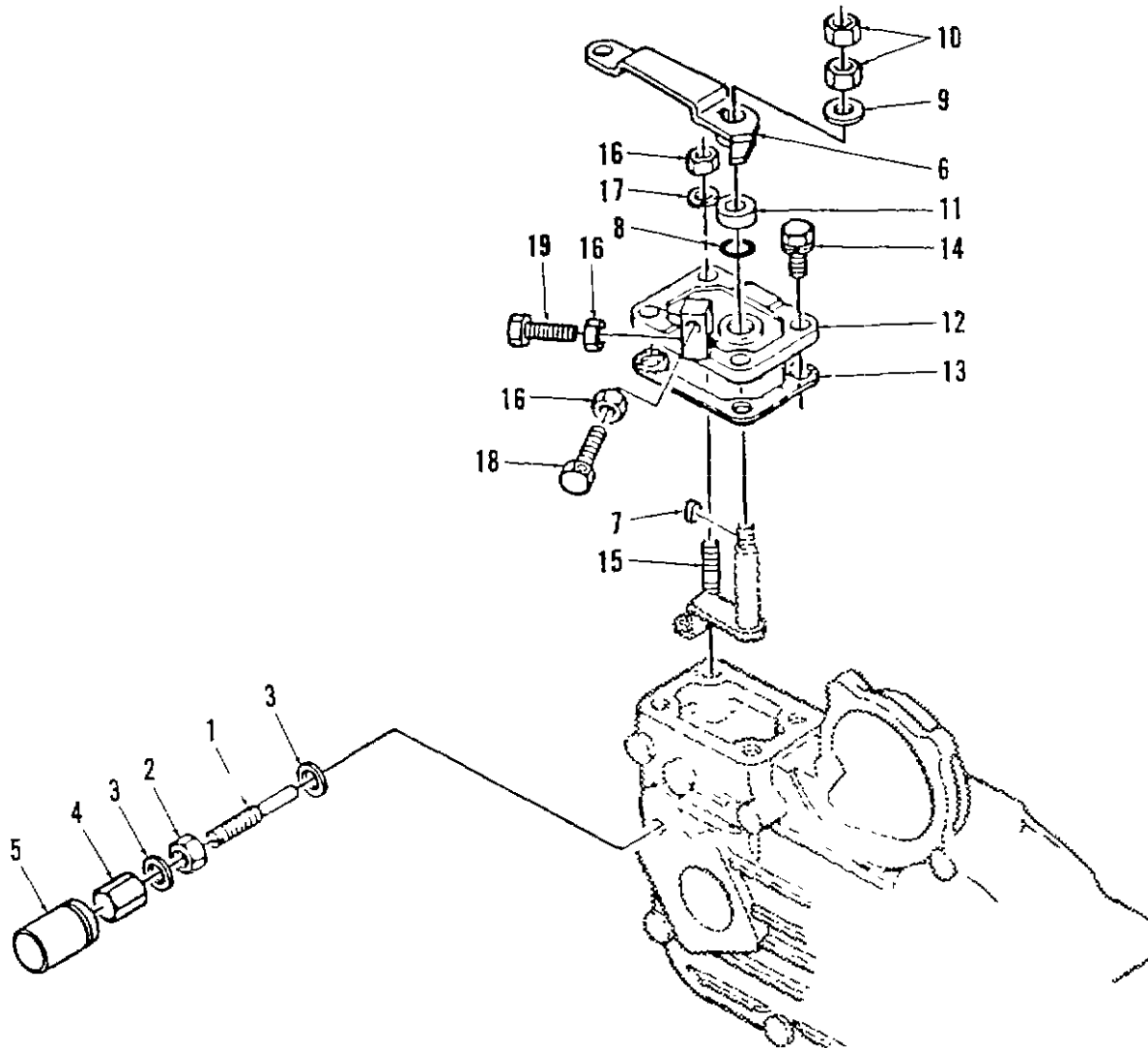
# Slop Assembly



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0181	2	Screw, Tapping - Hex Head (#10-32 x 1/2")	20	185-2462	1	Lever, Stop (Includes Parts Marked *)
2	115-0025	1	Nut, Hex (1/4-28 UNF)	21	185-2257	1	*cover
3	150-1991-02	1	Bracket, stop Lever	22	NFS	1	*Shaft
4	150-1995	1	Ball Joint (1/4-28 UNF)	23	NFS	1	*Lever
5	520-0939	1	Stud (1/4-28 x 1-1/2" LG)	24	105-2347	1	*O-Ring
6	150-1733	1	Ball Joint (1/4-28 UNF)		185-2461	1	Seal, Oil
7	813-0102	2	Screw, Machine - Round Head (#10-32 x 5/8")	25	185-2351	1	*Pin, Spring
8	870-0131	2	Nut, Hex with ET Lockwasher (#10-32)	26	165-2342	1	Ball, Hex
		2	Washer, Lock - EIT (#10)	27	750-1004	1	Nut, Hex (M6 x 1)
10	866-2506	1	Solenoid, Electric (12 VDC)	28	135-2114	1	Gasket
11	x0-1992	1	Bracket, Solenoid Mounting	29	185-2389	4	Screw, Cap - Hex Head with Lockwasher (ME x 1 x 18mm)
12		1	Control, Idle - Governor	32	185-2400	4	Screw, Cap - Hex Head with Lockwasher (M8 x 1.25 x 18mm)
	185-2432	1	Style I	33	165-2126	1	cover
		1	Style II	34	185-2120	1	Gasket
14		1	Adjuster, Idle - Governor	35	BOO-2057	2	Screw, Hex Head (MB x 1.25 x 20mm)
	m-2259	1	Style I	36	856-0008	1	Washer, Lock - External.
	185-2433	1	Style II				Internal Tooth (M8)
		1	Nut, Hex	37	850-2008	1	Washer, Lock
16	185-2182	1	Cap Nut				
18	185-2338	2	Seal, Oil				
19	185-2161	1	Cap				

\* - Parts Included in Stop Lever Assembly

## Speed Control Assembly

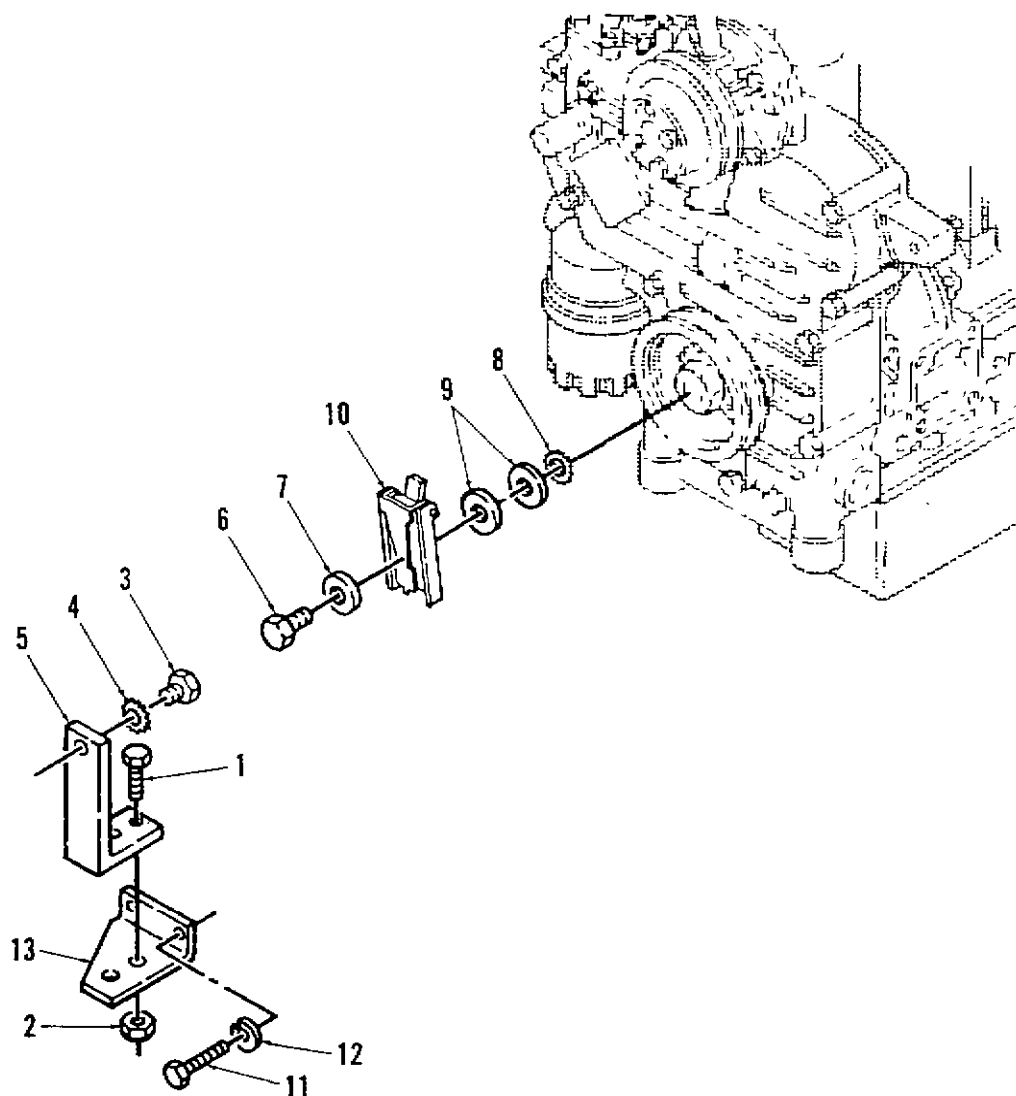


FS-1559

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2260	1	Screw, Adjusting Style I	10	185-2364	2	Nut, Hex (M6 x 1)
	185-2438	1	Style II	11	185-2169	1	Bearing, Sleeve
2	185-2248	1	Nut, Hex	12	185-2263	1	Housing, Control - Speed
3	185-2284	3	Seal, Oil	13	185-2168	1	Gasket
4	185-2282	1	cap Nut	14	185-2390	3	screw, Cap - Hex Head with Lockwasher (M6 x 1 x 20mm)
5	185-2283	1	Cap	15	185-2105	1	Stud
6	185-2264	1	Lever, control - Speed	16	750-1004	3	Nut, Hex (M6 x 1)
7	185-2187	1	Key	17	185-2380	1	Washer, Lock - Spring (M6)
8	185-2373	1	O-Ring	18	815-0649	1	Bolt, Hex - Lever Stop
9	185-2376	1	Washer, Flat (M6)	19	185-2439	1	Bolt, Hex - Lever stop

NOTE: See Introduction for governor style identification.

## Overspeed Switch

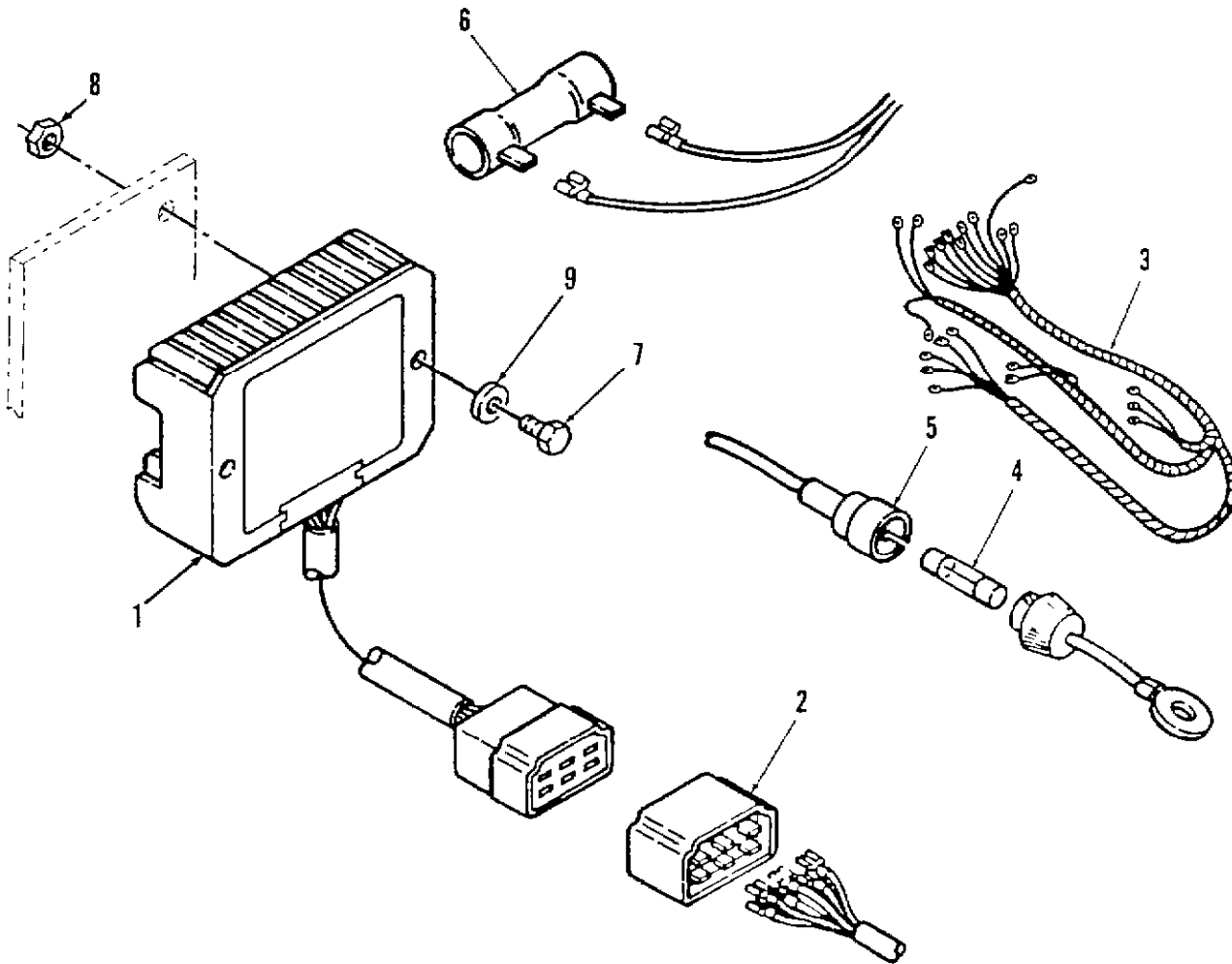


ES-1472

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	821-0015	2	Screw, Self-locking - Hex Washer Head (1/4-20 x 3/4")
2	870-0212	2	Nut, Self-locking - Hex Washer Head (1/4-20)
3	150-2011	1	Point, Contact - Electrical (1/4-20 x 3/8")
4	853-0013	1	Washer, Lock - ET (1/4")
5	150-2009	1	Bracket, Support - Overspeed Contact (Nonmetallic)
6	800-2057	1	Screw, Cap - Hex Head (M8 x 1.25 x 20mm)

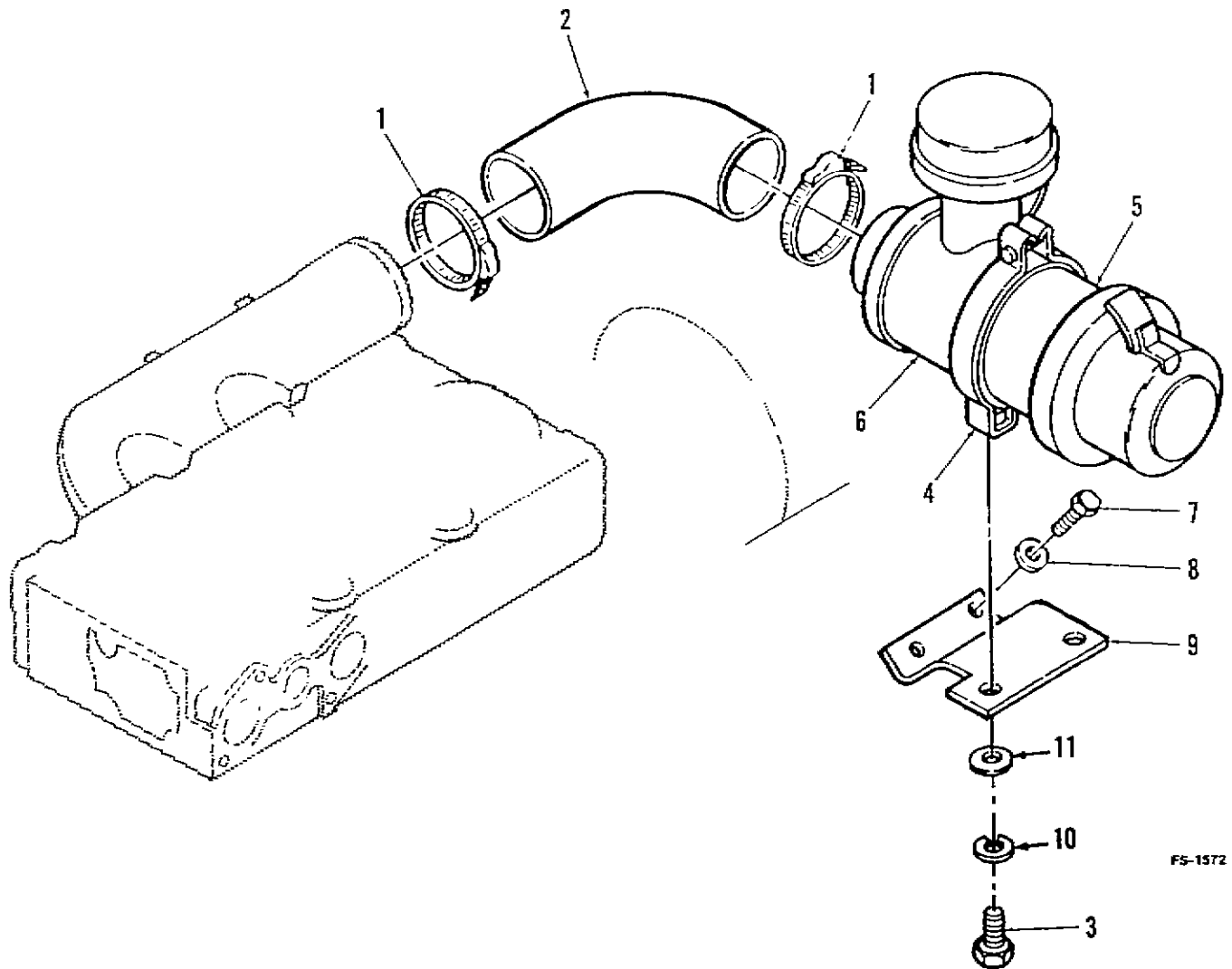
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7	850-2008	1	Washer, Lock - Spring (M8)
8	856-0008	1	Washer, Lock - ET (5/16")
9	526-0113	2	Washer, Flat (5/16")
10	150-0717	1	Switch, Overspeed
11	800-2044	2	Screw, Cap - Hex Head (M6 x 1.0 x 70mm)
12	850-2006	2	Washer, Lock - Spring (M6)
13	150-2010	1	Bracket, Support - Overspeed Switch

## Voltage Regulator & Wiring Harness



REF No.	PART ND.	QTY USED	PART DESCRIPTION	REF No.	PART ND.	QTY USED	PART DESCRIPTION
1	185-2252 815-0236	1 4	Regulator, Voltage (12 VDC)	4	321-0113	1	Fuse, Cartridge (30 Amp, 32 VDC, Slo Blo,
			Screw, Tapping " Hex Head (5/16-18 x 5/8")	5	321-0267	1	Holder, Fuse
2	185-2424 325-1297	1 1	Adaptor, Electrical Connector	6	304-0776	1	Resistor, Fixed, wirewound (R1) 5 Ohm, 10 Watt (Part of Engine to Control Wiring Harness)
3			Harness, Wiring " Engine to Control	7	815-0544	2	Screw, Round Head Machine " Cross-Recessed with Internal Teeth (#6-32 x 1/2)
	338-1762	1	Manual (Spec A-C Remote (Spec A-C)	8	860-1005	2	Nut, Self-Locking (6-32)
	338-1825-01	1	Without Overspeed Switch	9	526-1002	2	Washer, Flat (Y6)
	338-1825-01	1	With Overspeed Switch				
	338-2822	1	Spec D (8.0DKO RV)				

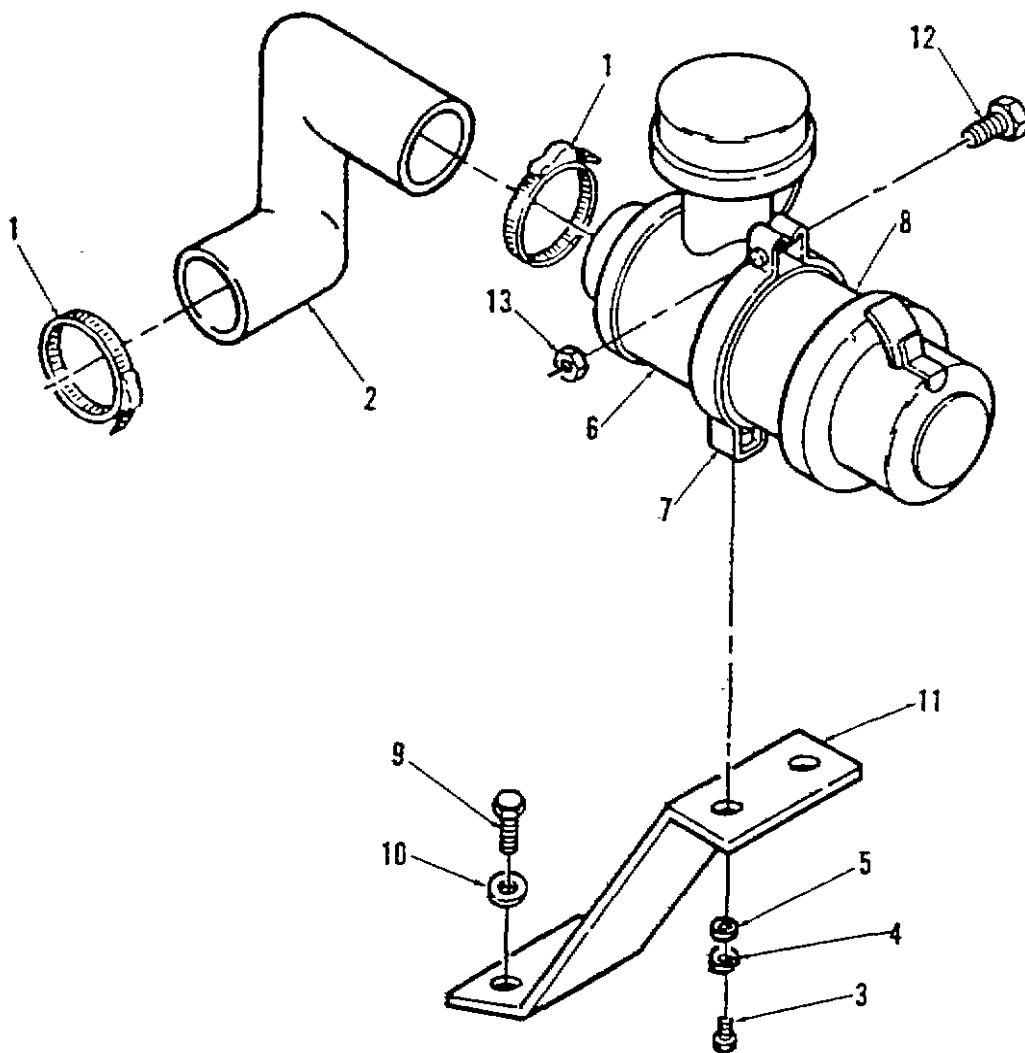
# Air Cleaner (Spec A)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-0365	2	Clamp, Hose
2	503-1316	1	Hose, Elbow - Preformed
3	800-2056	2	Screw, Cap - Hex Head (MB X 1.25 X 16mm)
4	185-2199	1	Band, Mounting - Air Cleaner Cushion
5	185-2201	1	Cleaner Assembly, Air [See Separate Page for Components]
6	185-2206	1	Cap, Hex Head
7	815-0315	2	Screw, Tapping - Hex Washer Head (1/4-20 X 1/2") or use -
	821-0010	2	Screw, Self-locking - Hex Washer Head (1/4-20 X 1/2")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
8	526-0018	2	Washer, Flat (17/64" ID X 5/8" OD X 1/16" Thk)
9	140-1902	1	Bracket, Mounting Air Cleaner
10	850-2008	2	Washer, Lock (MB)
11	526-2100	2	Washer, Flat (M8)

**Air Cleaner**  
(Begin Spec B)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-0365	2	Hose
2	800-2056	2	Slamp, Hole x Clean - Chip
4	850-2008	2	Washer, Flat (M8)
5	526-2100	2	Washer, Flat (M8)
6	185-2206	1	Cleaner, Air (See Separate Page for Components)
7	185-2199	1	Band, Cleaner - Air

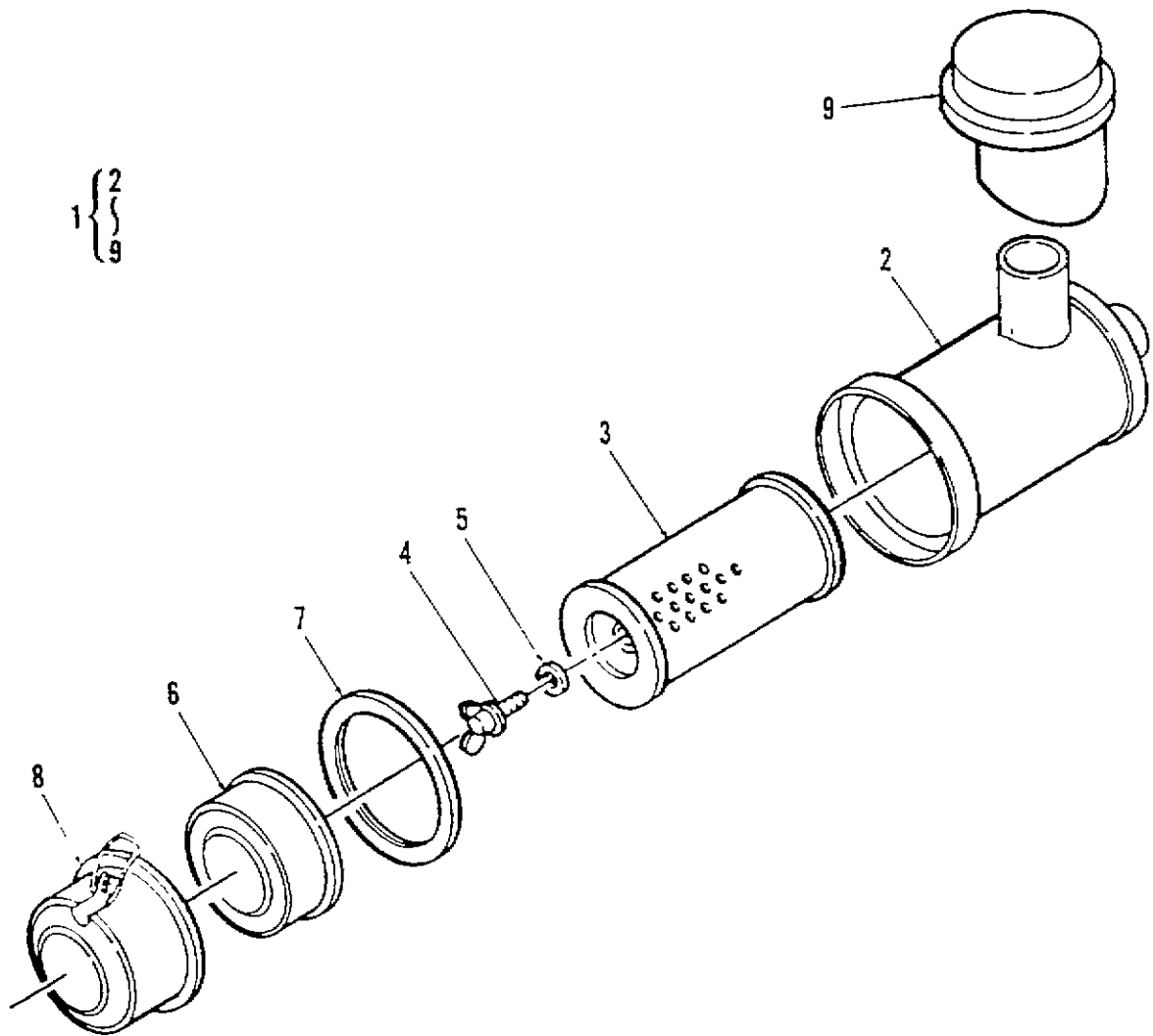
REF No.	PART NO.	QTY USED	PART DESCRIPTION
9	815-0261	1	* Screw, on Hex Head - Self Tapping
10	140-2042	2	* Washer, Flat (1/4)
12	821-0012	1	* Bracket, Mounting Air Cleaner
		1	Screw, Hex Head Self Lock (1/4-20 x
13	870-0212	1	Nut, Hex Head 1-1/8) Self Lock (1/4-20)

→ use 503-1818 for specs 11304, 40216 and 54503.

\* Parts not used on Specs 11304, 40216, 54503



## Air Cleaner - Components



FS-1575

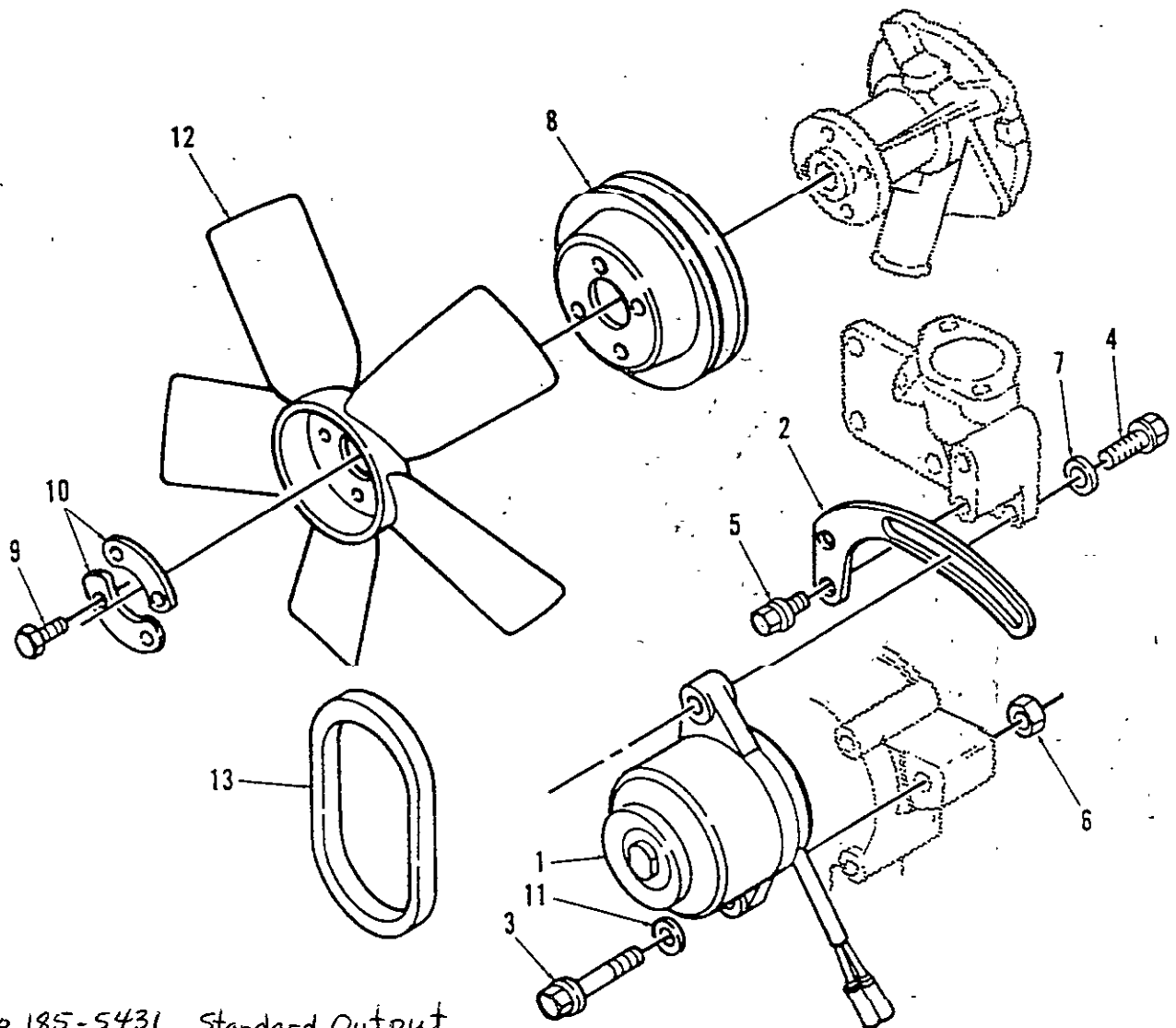
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2206	1	Cleaner Assembly, Air	a	185-2091	1	Baffle
2	NFS		Housing, Air Cleaner	7	185-2089	1	Gasket
3	185-2090	1	Element, Filter - Air Cleaner	a	185-2121	1	Cover
4	185-2108	1	Bolt, Wing	9	185-2122	1	Hood, Air Inlet
5	185-2110		Gasket				

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# Alternator

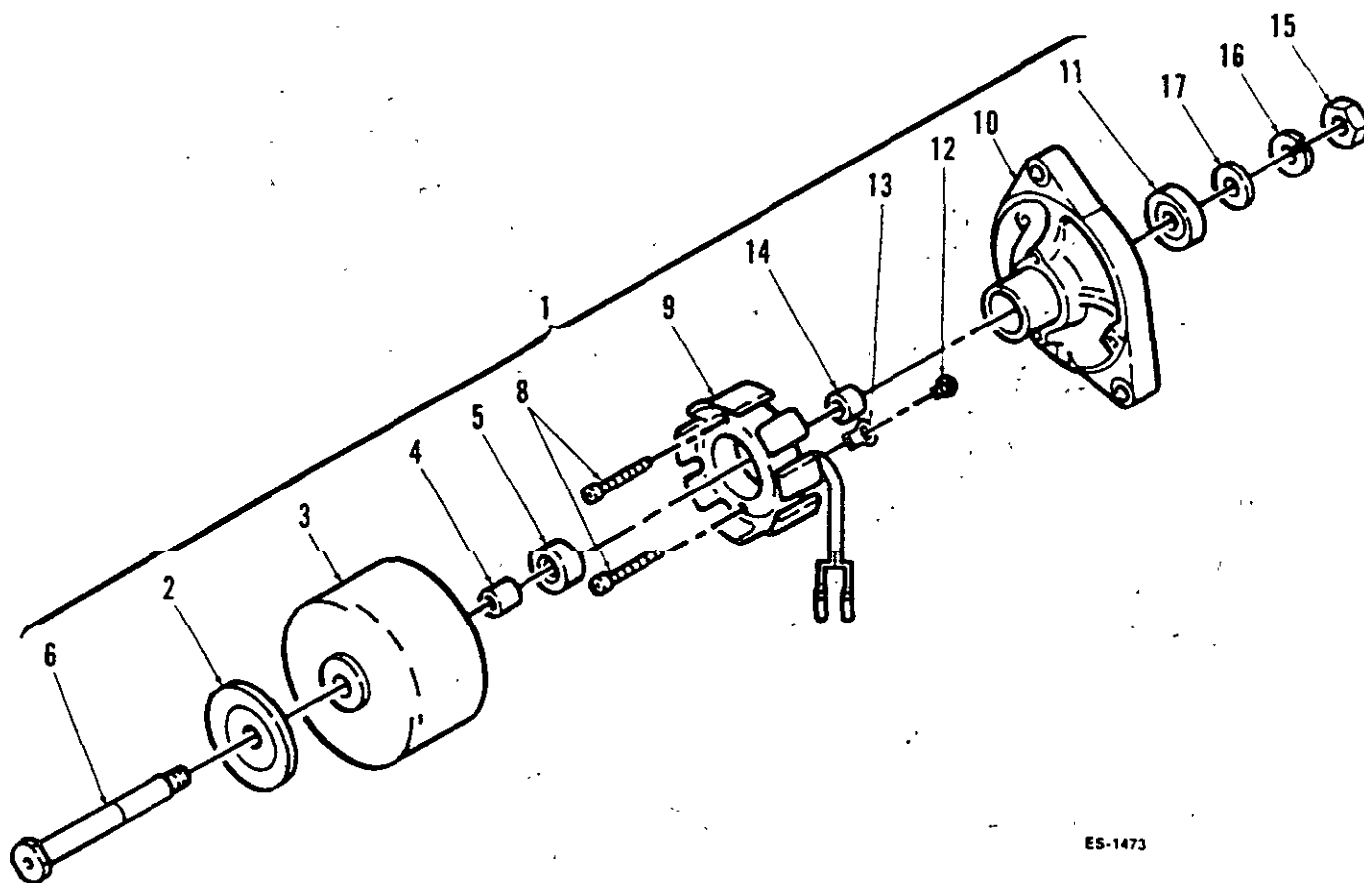


ES-1503

spc to 185-5431 Standard Output  
or use  
185-5441 Hi-Output

REF INo.	PART No.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2266	1	Alternator (12 VDC) (See separate Page for Components)	8	165-2247	1	Pulley
2	185-2273	1	Bracket. Adjusting	9	718-1018	4	Screw. Cap - Hex Head (M6 x 10mm)
3	185-2405	1	Screw. Cap - Hex Head with Lockwasher (M8 x 1.25 x 60mm)	10	185-2346	2	Locking Plate - Bolt/Nut
4	185-2403	1	Screw. Cap - Hex Head with Lockwasher (M8 x 1.25 x 25mm)	11	165-2378	1	Washer, Flat (M8)
5	165-2366	1	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 16mm)	12	130-2475 130-4159 130-2725	1	Fan Pusher (4 Blade) (Spec A-C) Pusher (6 Blade) (Spec O)
6	750-1006	1	Nut, Hex (M8 x 1.25)	13	130-4121 165-2275	1	Suction (Spec A-C) Suction (Spec D) Belt. Drive
1	185-2377	1	Washer. Flat (M8)				

## Alternator • Components



ES-1473

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	165-2266	1	Alternator (12 VOC)
2	165-2269	1	Pulley
3	185-2267	1	Rotor
4	185-2270	1	spacer, Sleeve
5	165-2246	1	Bearing, Ball
6	165-2245	1	Shaft, Rotor
8	185-2183	2	screw, Machine - Round Head, Cross-Recessed Drive, with Lockwasher
9	185-2272	1	Stator

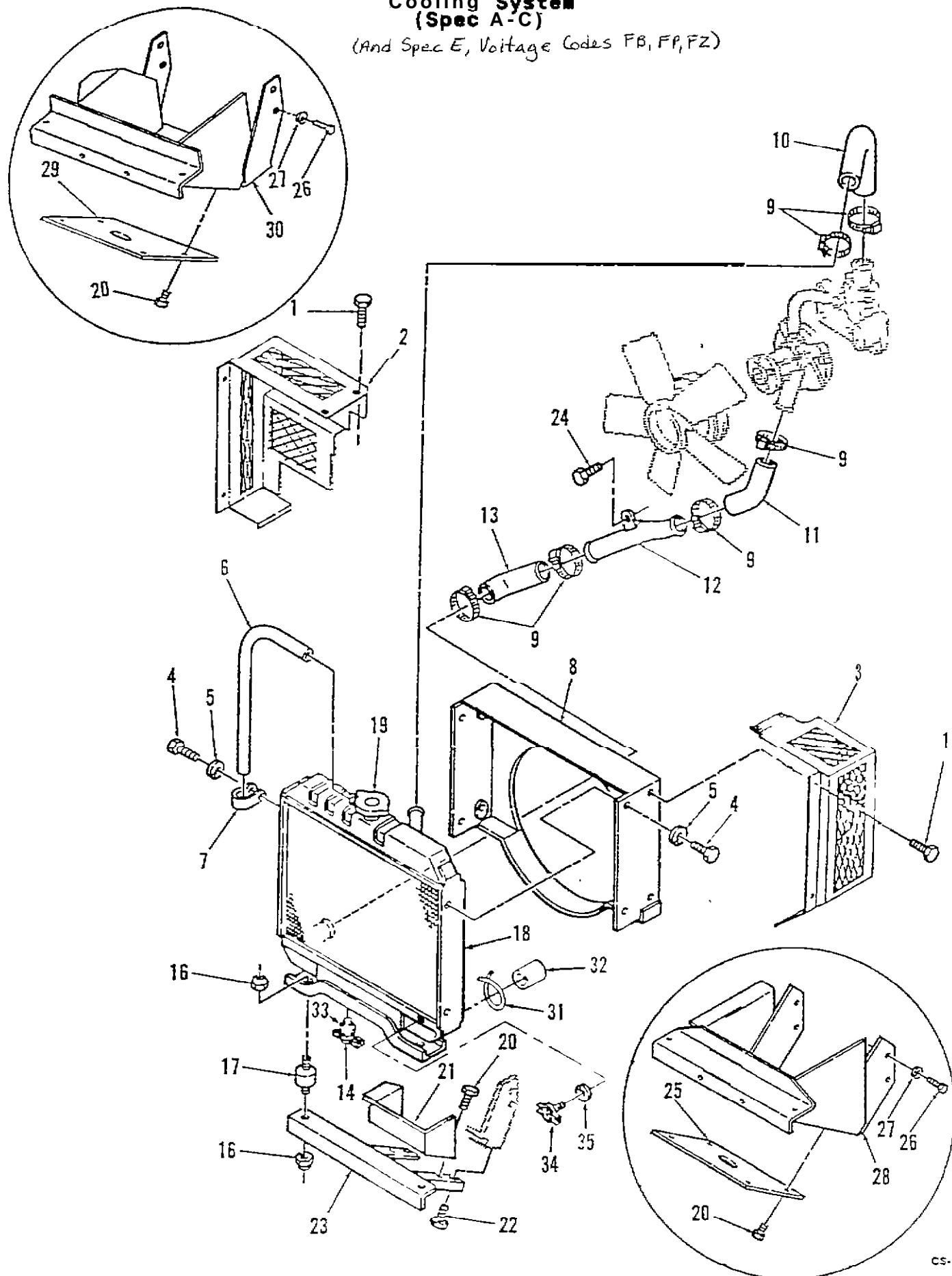
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
10	165-2268	1	Housing, Alternator
11	165-2246	1	Bearing, Ball
12	165-2249	1	Screw, Machine - Round Head - Cross-Recessed Drive, with Lockwasher
13	185-2271	1	Clamp, Electrical Cord
14	165-2171	1	spacer, Sleeve
15	165-2161	1	Nut, Hex
16	185-2186	1	Washer, Lock - Spring
17	185-2185	1	Washer, Flat

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# **Cooling System (Spec A-C)** (And Spec E, Voltage Codes FB, FP, FZ)

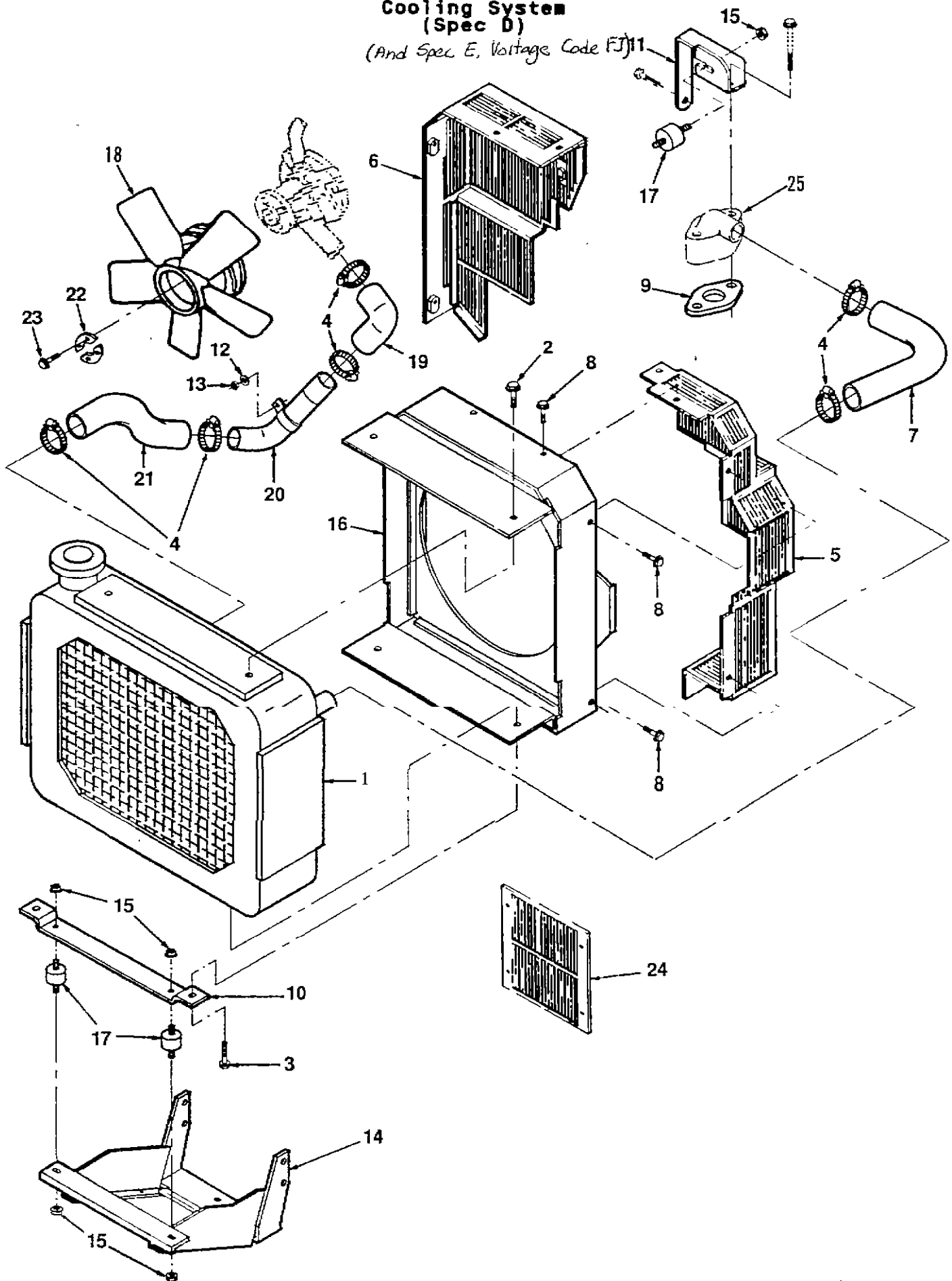


CS-1257

**Cooling System**  
**(Spec A-C)**  
*(And Spec E, Voltage Codes FB, FP, FZ)*

REF No.	PART NO.	QTY USED	PART DESCRIPTION	REF No.	PART No.	QTY USED	PART DESCRIPTION
1	821-0009	6	Screw, Self-locking - Hex Washer Head (1/4-20 x 3/8")	22	821-0029	2	Screw, Self-locking - Hex Washer Head (3/8-16 x 3/4") (Used Through February 1984)
2	130-2506	1	Guard, Belt (Left Side)	23	130-2350	1	Bracket, Radiator (Used Through February 1984)
3	130-2511	1	Guard, Belt (Right Side)	24	718-1017	1	Screw, Cap - Hex Head (M6 x 1.0 x 10mm) (Used Through February 1984)
4	800-2027	4	Screw, Cap - Hex Head (M6 x 1 x 10mm)	25	130-2550	1	Guard, Belt (Used Through March 1984)
5	850-2006	4	Washer, Lock - Spring (M6)	26	815-0585	4	Screw, Cap - Hex Head (M10 x 1.25 x 20mm) (Used Beginning March 1984)
6	185-2421	1	Hose, Rubber - Overflow	27	850-2010	4	Washer, Lock - Spring (M10) (Used Beginning March 1984)
7	332-2650	1	Clamp, Loop	28	130-2549	1	Bracket, Radiator (Used Beginning March 1984)
8	130-2515	1	Shroud, Fan	29	130-3231	1	Guard, Belt (Use Beginning Spec C)
9	503-0189	6	Clamp, Hose	30	130-3230	1	Bracket, Radiator (Use Beginning Spec C)
10	185-2256	1	Hose, Radiator - Preformed	31	503-1319	1	Clamp, Hose
11	185-2278	1	Hose, Rubber - Preformed	32	185-2419	1	Plug, Radiator
12	185-2277	1	Tube, Water	33	502-0029-01	1	Bushing Reducer (Old Style) (Thru 1985)
13	165-2276	1	Hose, Rubber - Preformed	34	165-2476	1	Valve, Drain - Rad (New Style) (Begin 1985)
14	504-0005	1	Cock, Drain (3/8 NPT) (Old Style - Thru 1984)	35	185-5464	1	Gasket, Valve - Drain
16	870-0212	4	Nut, Self-locking - Hex Washer Head (1/4-20)				
17	402-0581	2	Mount., Vibration				
18			Radiator (Includes Cap)				
	m-2255	1	Old Style (Thru 1984)				
	165-2274	1	New Style (Begin 1985)				
19	185-2193	1	Cap, Radiator				
20	815-0389	4	Screw, Tapping - Hex Washer Head (1/4-20 x 3/8") or use				
	821-0009	4	Screw, Self-locking - Hex Washer Head (1/4-20 x 3/8")				
21	130-2501	1	Guard, Belt (Used Through February 1984)				

**Cooling System  
(Spec D)**  
(And Spec E, Voltage Code FJ)





**Cooling System**  
**(Spec B)**  
*(And Spec E, Voltage Code FJ)*

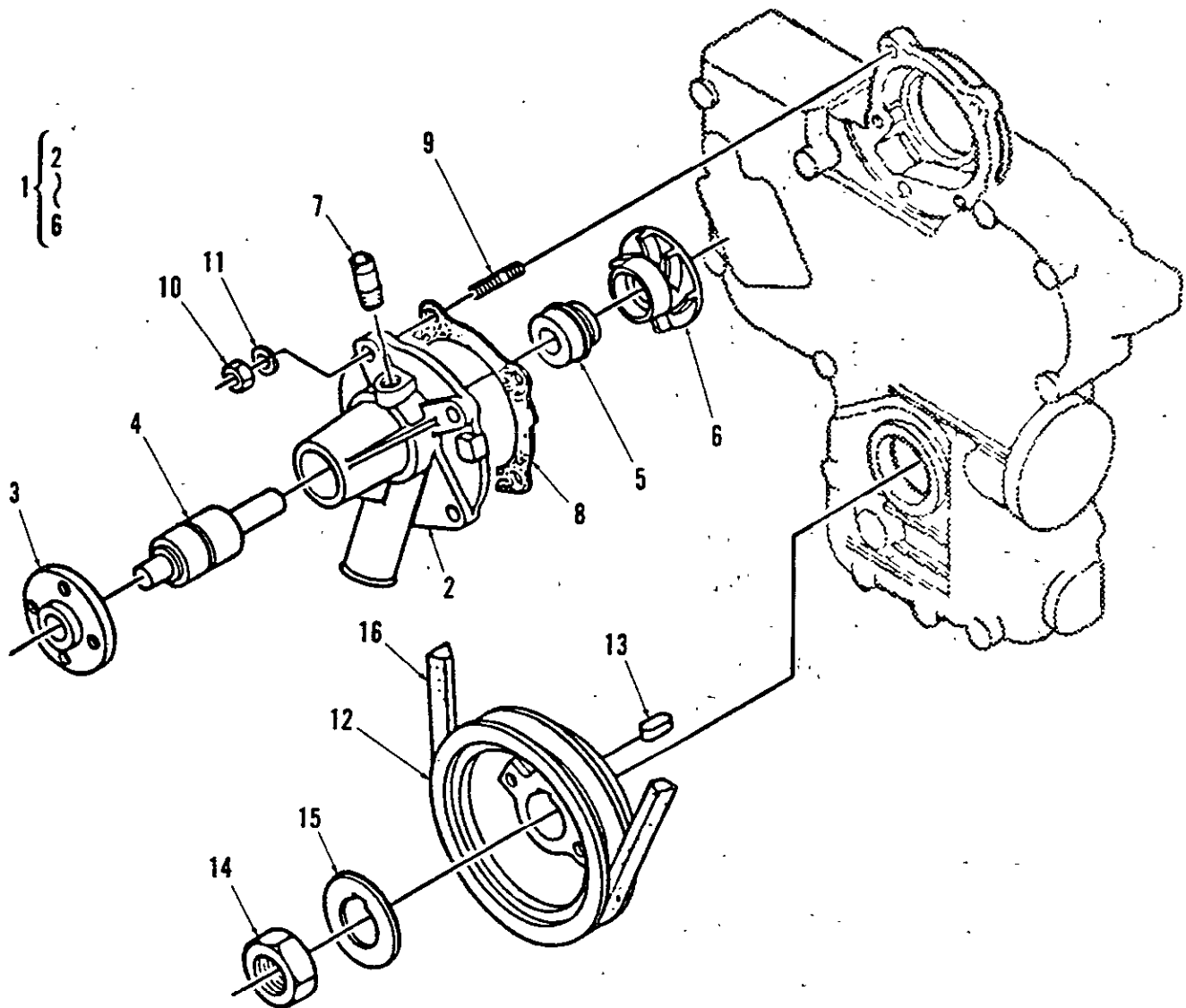
REF NO.	PART ND.	QTY USED	PART DESCRIPTION	REF NO.	PART ND.	QTY USED	PART DESCRIPTION
1	130-4123	1	Radiator	13	130-2920	1	*Nut, Water Pipe 2
2	821-0028	2	Screw, Self-Locking - Hex Washer Head (3/8-16 UNC x 1/2")	14	130-4160	1	Bracket, Mounting - Radiator
3	800-2016	4	Screw, Self-Locking - Hex Washer Head (5/16-18 UNC x 3/4")	15	870-0212	5	Nut, Self-Locking - Hex Washer Head (1/4-20)
4	503-0189	6	Clap, Hose	16	130-4161	1	Shroud, Fan
5	130-4170	1	Guard, Belt (Right Side)	17	402-0508	3	Isolator, Vibration
6	130-4162	1	Guard, Belt (Left Side)	18		1	*Fan
7	503-1861	1	Hose, Radiator - Upper	19	130-2486	1	*Pipe, Water 3
8	821-0009	3	Screw, Self-Locking - Hex Washer Head (1/4-20 x 3/8")	20	130-2485	1	*Pipe, Water 2
9	185-2238	1	*Gasket, Thermostat	21	503-1862	1	Hose, Radiator - L&R
10	130-4166	1	Support, Radiator	22		2	*Washer, Fan
11	130-4173	1	Bracket, Mounting - Radiator	23		4	*Bolt, Fan
12	130-2922	1	*Washer, Water Pipe 2	24	130-4147	1	Plate, Guard - Fan
				25	MS-2312	1	Housing, Thermostat (90°)

\* - Parts shipped loose from Kubota.

130-4123 Fill Tube Points Up. (All Specs not listed below).  
 130-4158 Fill Tube Angles Out (Specs 11303, 11310, 56905, 58833)  
 130-4305 Fill Tube Comes Forward then angles in, or to the right. (Specs 11343, 11369, 66044)

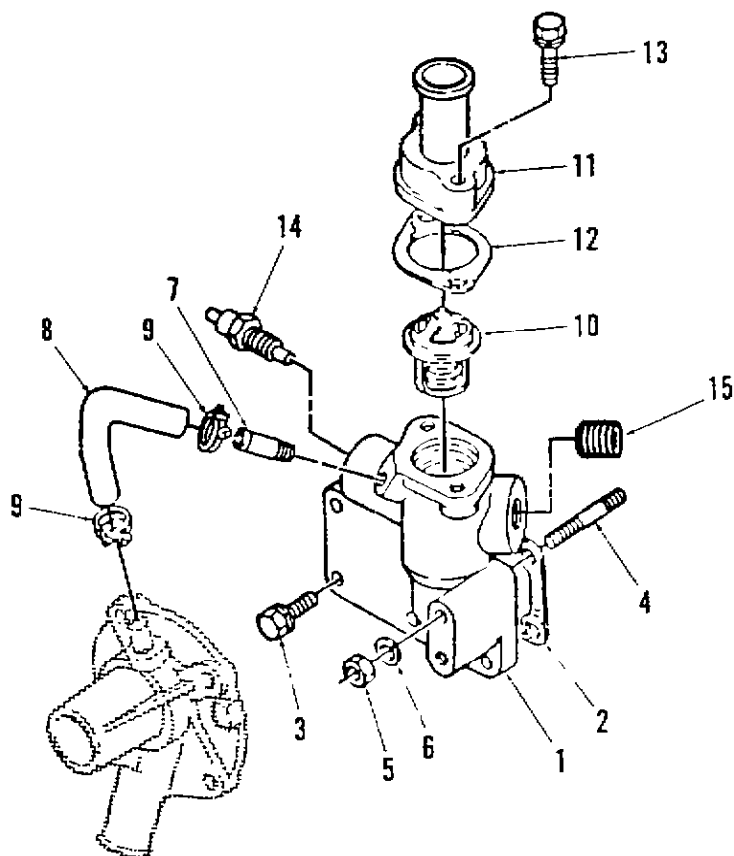
130-4160 Used on all Specs not listed below;  
 130-4445 Used on Specs 11343, 11344, 11440, 11455

## Water Pump



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2236	1	Pump, water	9	185-2363	4	Stud
2	NFS		Housing, Pump	10	750-1004	4	Nut, Hex (M6 X 1)
3	185-2243	1	Flange, Pump Shaft	11	185-2380	4	Washer, Lock - Spring (M6)
4	185-2244	1	Shaft with Bearing	12	185-2251	1	Pulley
5	185-2237	1	Seal	13	185-2353	1	Key
6	185-2242	1	Impeller	14	185-2088	1	Nut, Hex
7	185-2239	1	Adapter, Hose	15	185-2207	1	Washer, Flat - Keyed
8	165-2241	1	Gasket	16	185-2275	1	Belt, Drive

## Cooling System - Thermostat & Housing

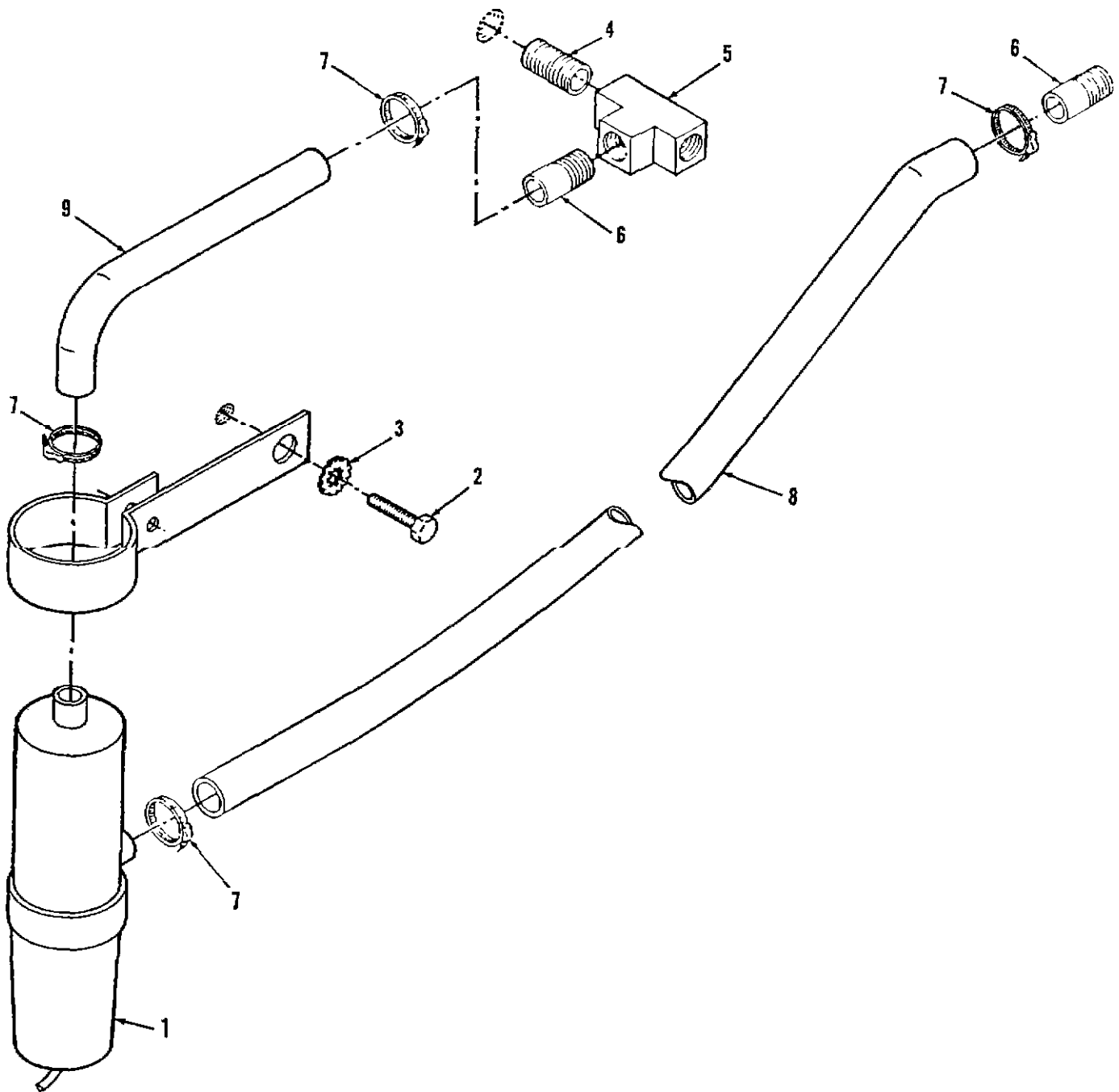


CS-1259

REF ND.	PART NO.	QTY USED	PART DESCRIPTION
1	185-2311	1	Housing, Thermostat
2	185-2175	1	Gasket
3	185-2388	5	Screw, Cap - Hex Head with Lockwasher (M6 x 1 x 16mm)
4	185-2360	1	Stud
5	750-1004	1	Nut, Hex (MS x 1)
6	185-2380	1	washer, Lock - Spring (M6)
7	185-2239	1	Adapter, Hose
8	185-2300	1	Hose, Rubber - Preformed
9	185-2240	2	Clamp, Hose

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
10	185-2235	1	Thermostat
11	185-2423	1	Cover, Thermostat
12	185-2238	1	Gasket
13	185-2393	2	Screw, Cap - Hex Head with Lockwasher (MS x 1 x 35mm)
14	309-0513	1	Switch, Thermostatic - High Engine Temperature Shutdown (S2)
15	505-0266	1	Plug, Pipe - square Socket Drive

# Engine Heater



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0406-01	1	Heater, Engine (Mod)
2	815-0586	1	Bracket, 1-1/4" x 1/2" x 1/4" Head
3	855-0010	1	Nipple, Pipe - EIT (M10)

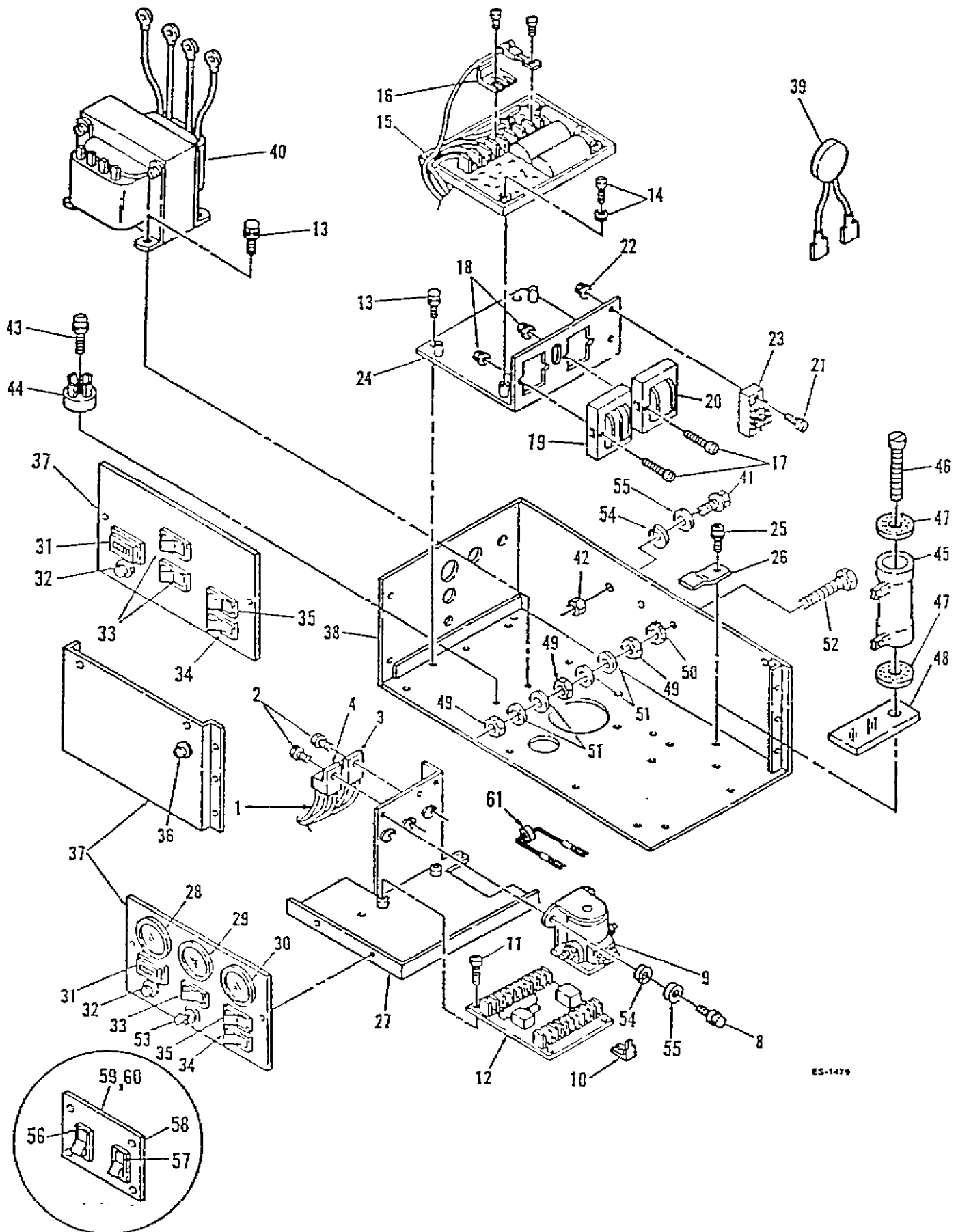
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	505-0060	1	Tee, Pipe
7	503-0183	2	Nipple, Pipe - Half
4		4	Clamp, (X10)
8	503-0261	1	Hose, Heater (28" Lg)
			Hose, water (8.5" Lg)

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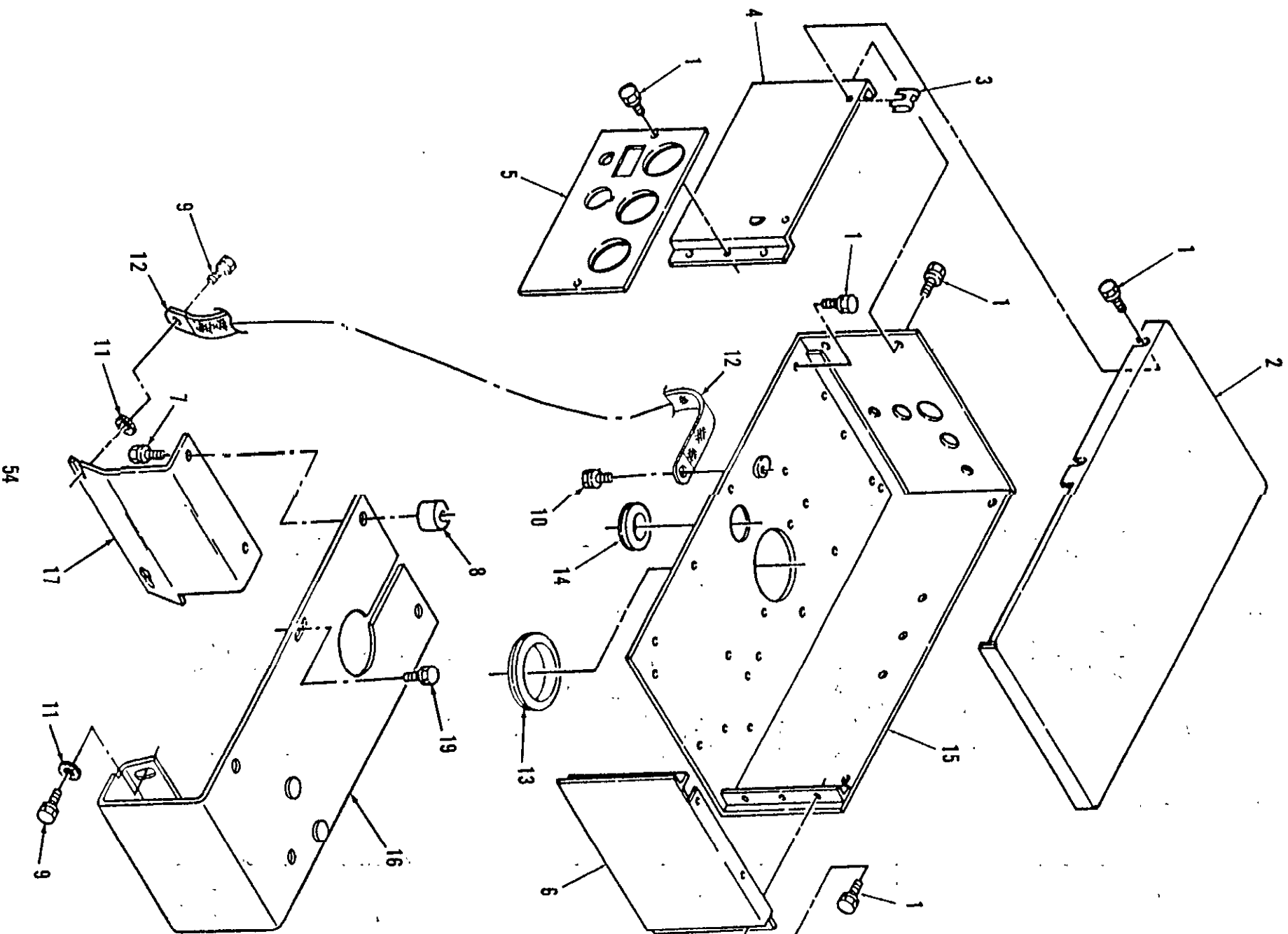
# Control



## Control

REF ND.	PART ND.	QTY USED	PART DESCRIPTION	REF ND.	PART ND.	QTY USED	PART DESCRIPTION
1			Harness, Wiring - Control (Includes K13, K14 Relays)	35	308-0739	1	Switch, Rocker - Start/Stop (S11)
	338-1760	1	Spec A-C	36	320-1121	1	Breaker, Circuit - 3 Amp, 250 VAC (CB21)
	338-1920-01	1	Spec A-C (Mobile Applications)				Panels (See Control Box Assembly Figure for Identification)
	338-2856	1	Spec D	31			Box, Control (See Control Box Assembly Figure for Identification)
2	821-0004	2	Screw, Self-locking - Hex Washer Head (#10-32 x 5/16")				Suppressor, Voltage (RV21) - Single Phase Sets
3	307-1886	1	Relay, Heater (12V) (K13)	38			Transformer, Voltage Regulating (T21) - Single Phase Set;
4	307-1886	1	Relay, Solenoid - Fuel (K14)				60 Hz
8	821-0003	2	Screw, Self-locking - Hex Washer Head (1/4-20 x 1/2")	39	305-0703	1	50 HZ
9	307-1617	1	Solenoid, Electric - 12 VDC (K11)	40			Screw, Self-locking - Hex Washer Head (1/4-20 x 1/2") - Single Phase Sets
10	332-1564	2	Lug, Terminal - Right Angle		315-0572		Standoff, Insulating - Hex (T821.22) - Single Phase Sets
11	815-0544	4	Screw, Machine - Round Head Cross-Recessed Drive with IT Lockwasher (#6-32 x 1/2")		315-0583		Screw, Machine - Round Head Brass with IT Lockwasher (#10-32 x 4/8") - Single Phase Sets
12	300-2604	1	Board, Circuit - Printer (Engine Monitor) (All)	4	1 821-0003		Rectifier, Bridge (CR21) - Single Phase Sets
13	821-0004	1	Screw, Self-locking - Hex Washer Head (#10-32 x 5/16")	4	2 332-2370	2	Resistor, Fixed (R1) 5 Ohm, 10 Watt (Part of Engine to Control Wiring Harness) - Manual Start sets
1	5 305-0688	1	Regulator, Voltage - Switching (VR12)	43	815-0346	1	Screw, Machine - Round Head (#8-32 x 2-1/4") - Manual start sets
	812-0071	4	Screw, Machine - Round Head (#6-32 x 1-1/2")				Washer, Flat - Fiber (#8) - Manual start Sets
	853-0003	4	Washer, Lock - ET (#6)	4	4 305-0696	1	Plate, Insulating - Manual Start sets
16	332-2605	1	Jumper, Terminal	4	5 304-0776	1	Nut, Hex - Brass - Manual Start Sets (1/4-20)
1	1 812-0070	4	Screw, Machine - Round Head (#6-32 x 1-1/4")	46	812-0090	1	Washer, Lock - EIT (1/4) - Manual start sets
18	870-0183	4	Nut, Hex - with ET Lo&washer (#6-32)	47	508-0015	2	Washer, Flat - Brass (1/4") Manual start sets
19	315-0386	1	Transformer, Voltage Ref (T21)	48	304-0580	1	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1-1/8") - Manual start Sets
20	315-0391	1	Reactor (CMR21)	49	871-0016	3	Switch, Selector (S11) - Manual start sets
21	812-0063	2	Screw, Machine - Round Head (#6-32 x 1/2")	50	856-0006	2	Key
22	870-0183	2	Nut, Hex - with ET Lockwasher (#6-32)	51	526-0052	4	Washer, Lock (1/4)
23	332-1655	1	Block, Terminal (TB21)	52	821-0012	1	Washer, Flat (1/4)
2	4 301-3719	1	Panel, Mounting - Regulator	5	3 308-0779	1	Switch, Start/Run/Stop - Remote Units
25	815-0544	1	Screw, Machine - Round Head Cross-Recessed Drive with IT Lockwasher (#6-32 x 1/2")	57	308-0826	1	Switch, Preheat - Remote Units
2	6 518-0437	1	Clip, Holddown	58	301-9484	1	Panel, Remote - Remote Units
21	301-8454	1	Tray, Control - Relay Mounting	59	98-5496	1	Decal, Panel (Front) - Remote Units
28	193-0352	1	Gauge, Pressure - Oil (M12)	60	98-5491	1	Decal, Panel (Rear) - Remote Units
29	193-0351	1	Gauge, Temperature - Coolant (M13)	61	357-0088	1	Rectifier (Spec D)
30	302-1641	1	Voltmeter - 12 VDC (M14)				
	302-0270	1	Clamp, Mounting				
	526-0049	36	Washer, Flat (#10)				
	871-0010	6	Nut, Hex (#10-32)				
31	302-0885	1	Meter, Totalizing - Time (M11)				
	815-0544	2	Screw, Machine - Round Head Cross-Recessed Drive with IT Lo&washer (#6-32 x 1/2")				
	870-0183	2	Nut, Hex - with ET Lockwasher (#6-32)				
32	320-1139	1	Breaker, Circuit - 1/2 Amp, 50 VDC (CB12)				
33	320-1140	2	Breaker, Circuit - 15 Amp, 32 VDC, 125 VAC (CB11, 13)				
3	4 308-0778	1	Switch, Rocker - Preheat (S12)				

Control Box Assembly "X A"  
(RV and Mobile - Spec "X A")





# Control Box Assembly (RV and Mobile - Spec "A")

REF No.	PART No.	QTY USED	PART DESCRIPTION	REF ND.	PART ND.	QTY USED	PART DESCRIPTION
1	821-0018	16	Screw, Self-lacking - Hex Washer Head (1/4-20 x 5/8")	6	301-8450	1	Panel, End
2	301-8447	1	Cover, Control	7	821-0014	4	Screw, Self-locking - Hex Washer Head (5/16-18 x 1/2")
3	870-0398	6	Nut, Retaining (#10-32)	B	402-0527	4	Mount, Vibration
4	301-8445	1	Panel, Generator Control (AC) Without Hole for Circuit Breaker	9	815-0236	4	Screw, Tapping - Hex Washer Head (5/16-18 x 5/8") or use
	301-8569	1	With Hole for Circuit Breaker	10	B00-0025	1	Screw, Self-locking - Hex Washer Head (5/16-18 x 5/8")
5			Panel, Engine Control (DC)	11	856-0008	4	Washer, Lock - EIT (5/16")
	301-8448	1	Manual start Sets With Holes for Time Totalizing Meter, Selector Switch and Round Circuit Breaker	12	337-0049	1	Strap, Electrical - Ground
	301-8449	2	With Holes for Three Gauges, Time Totalizing Meter, Selector Switch and Round Circuit Breaker	13	508-0115	2	Grommet (2-1/8" ID x 2-7/8" OD)
	301-8451	1	Remote Control Sets With Holes for Two Switches, Rectangular Circuit Breaker, Tim Totalizing Meter and Round Circuit Breaker	14	508-0117	1	Grommet (1-1/8" ID x 1-3/8" OD)
	301-8452	1	With Holes for Three Gauges, Two Switches, Rectangular Circuit Breaker, Time Totalizing Meter and Round Circuit Breaker	15	301-8453	1	Box, Control
				16	301-8446	1	Saddle, Control Mounting
				17	301-8634	1	Support, Saddle
				19	821-0009	1	Screw, Self-Locking - Hex Washer Head (1/4-20 x 3/8")

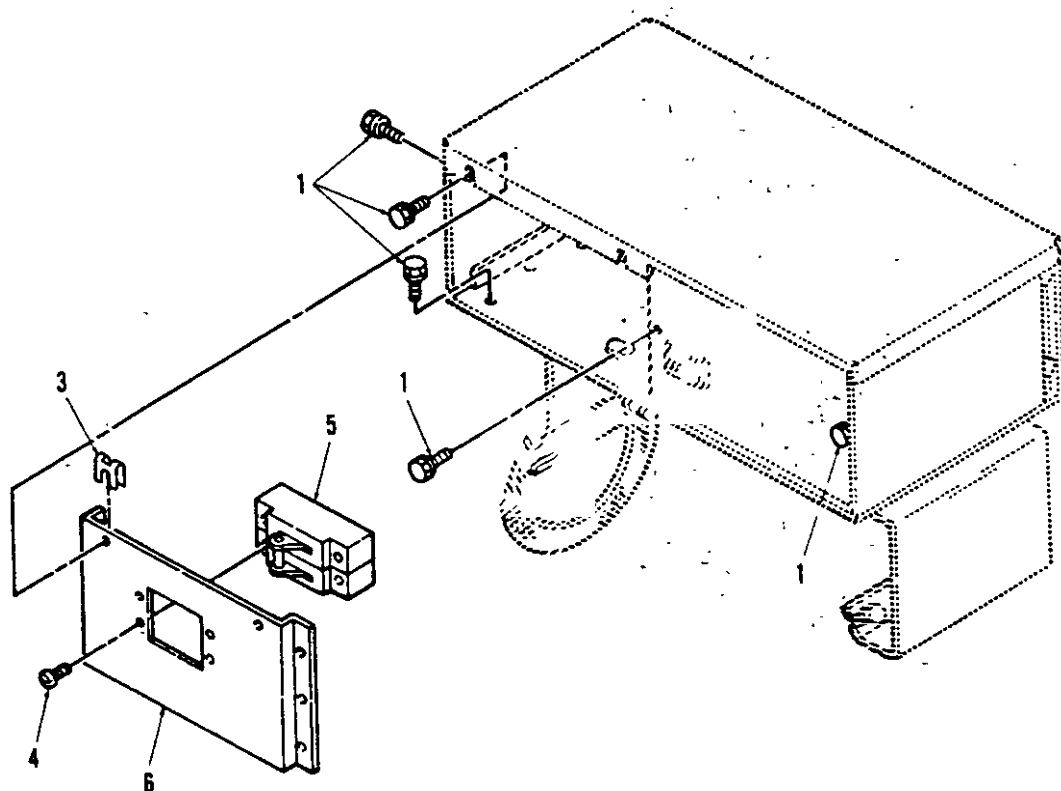
This technical drawing is an exploded view of a mechanical assembly, likely a control panel or a small enclosure. The components are numbered as follows:

- 1:** Screws used for fastening various panels and components.
- 2:** The top cover plate.
- 3:** A small bracket or clip.
- 4:** A side panel or door.
- 5:** A control panel featuring four circular indicators or buttons.
- 6:** A front panel or door with two rectangular cutouts.
- 7:** A screw used for mounting the control panel.
- 8:** A small cylindrical component, possibly a pin or spacer.
- 9:** A screw used for mounting the front panel.
- 10:** A small cylindrical component, possibly a pin or spacer.
- 11:** A screw used for mounting the front panel.
- 12:** A bracket or clip used for mounting the control panel.
- 13:** A circular component, possibly a gasket or seal.
- 14:** A small cylindrical component, possibly a pin or spacer.
- 15:** The main internal chassis or frame.
- 16:** A base plate or mounting plate.
- 17:** A rectangular component, possibly a transformer or power supply.
- 18:** A screw used for mounting the base plate.
- 19:** A screw used for mounting the base plate.
- 20:** A screw used for mounting the base plate.
- 21:** A bracket or clip used for mounting the base plate.
- 22:** A bracket or clip used for mounting the base plate.
- 23:** A screw used for mounting the base plate.
- 24:** A small cylindrical component, possibly a pin or spacer.
- 25:** A screw used for mounting the base plate.
- 26:** A screw used for mounting the base plate.
- 27:** A screw used for mounting the base plate.
- 28:** A screw used for mounting the base plate.
- 29:** A screw used for mounting the base plate.

# Control Box Assembly (RV and Aux - Begin Spec B)

REF No.	PART NO.	QTY USED	PART DESCRIPTION	REF No.	PART NO.	QTY USED	PART DESCRIPTION
1	821-0018	16	Screw. Self-locking - Hex Washer Head (1/4-20 x 5/8")	7	821-0014	8	Screw. Self-locking - Hex Washer Head (5/16-18 x 1/2")
2	301-8447	1	Cover. Control	8	402-0078	4	Mount, Vibration Spec B-C
3	870-0398	6	Nut, Retaining (#10-32)		402-0527	4	Spec D
4	301-8445	1	Panel, Generator Control (AC) Without Hole for Circuit Breaker	9	815-0236	4	Screw. Tapping - Hex Washer Head (5/16-18 x 5/8") or use
	301-8569	1	With Hole for Circuit Breaker	10	821-0025	1	Screw. Self-locking - Hex Washer Head (5/16-18 x 5/8")
5			Panel, Engine Control (DC) Manual start sets	11	856-0008	4	Washer, Lock - EIT (5/16")
	301-8448	1	With Holes for Time Totalizing Meter. Selector Switch and Round Circuit Breaker	12	337-2312	1	Strap, Electrical - Ground
	301-8449	2	With Holes for Three Gauges, Time Totalizing Meter. Selector Switch and Round Circuit Breaker	13	SOB-0115	2	Grommet (2-1/8" ID x 2-7/8" OD)
	301-8451	1	Remote Control sets With Holes for Two Switches, Rectangular Circuit Breaker. Time Totalizing Meter and Round Circuit Breaker	14	508-0117	1	Grommet (1-1/8" ID x 1-3/8" OD)
	301-8452	1	With Holes for Three Gauges, Two Switches, Rectangular Circuit Breaker, Time Totalizing Meter and Round Circuit Breaker	15	301-8453	1	Box, Control
	301-8450	1	Panel, End Spec 8-C	16	301-8446-02	1	Saddle, Control Mounting
	319-0201	1	Spec 0	17	821-0009	1	Support, Saddle
				21	301-8955	4	Screw. Self-Locking - Hex Washer Head (1/4-20 x 3/8")
				22	301-9544	4	Bracket, Control Box
				23	870-0257	8	Bracket, Isolator Mounting
				24	656-0006	8	Nut. Self-Locking (Flange) (5/16-18)..
				25	319-1681	1	Washer, Lock - EIT (5/16)
				26	98-6607	1	Panel, Control - DC (Spec D)
				27	98-0994	1	Decal. Panel - DC (Spec D)
				28	98-5165	1	Decal, Ground (Not Illustrated)
				29	338-2102	2	Decal, Cover - Control Box (Not Illustrated) (Spec D)
				30			Harness. Wiring (6")
							Elbow, 90° Conduit
					331-0535	1	3/4"
					331-0521	1	1/2"

# Circuit Breaker

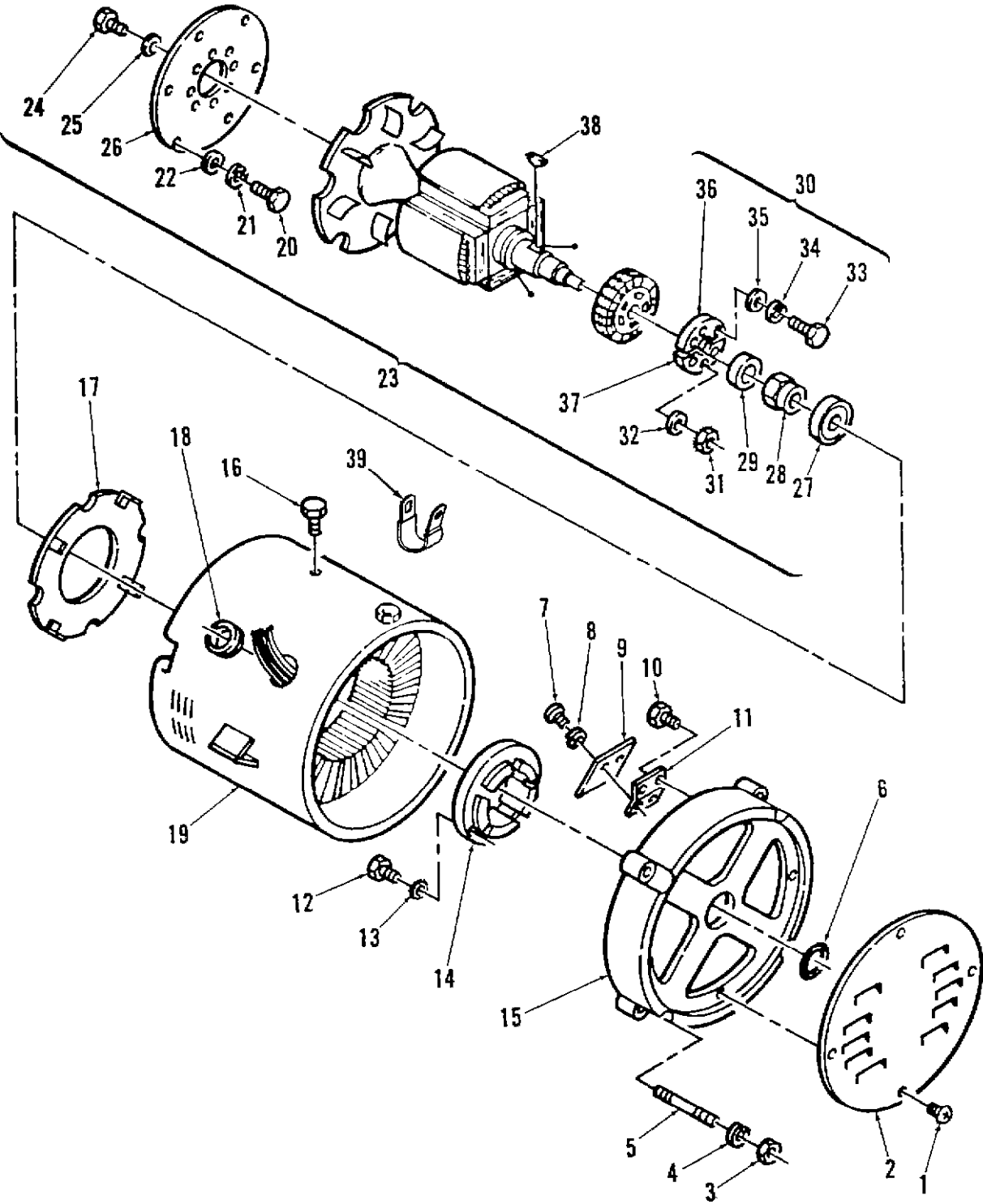


ES-1398

REF ND.	PART ND.	QTY USED	PART DESCRIPTION	REF ND.	PART ND.	QTY USED	PART DESCRIPTION
1	821-0005	11	Screw, Self-Locking - Hex Washer Head (#10-32 x 1/2")	6	301-9446	1	Panel, Breaker - Circuit
3	870-0398	6	Nut, Retaining (#10-32)		301-9218	1	2 Pole Breaker Hole
4	812-0063	AR	Screw, Machine - Round Head (#6-32 x 1/2")	7	517-0015	AR	3 Pole Breaker Hole
5			Breaker, Circuit				Plug. Hole
	320-1412	1	2 Pole				
	320-1246	1	30 Amp				
			3s Amp				
	320-1390	1	3 Pole				
	320-1391	1	24 Amp				
	320-1327	1	21 Amp				
			35 Amp				



Generator Assembly



# Generator Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	813-0100	4	Screw, Machine - Round Head (X10-32 x 1/2")	20	718-1036	6	Screw, Cap - Hex Head (M8 x 1.25 x 20mm)
2	234-0767	1	Cover, End Bell	21	850-2008	6	Washer, Lock - Spring (M8)
3	862-0011	4	Nut, Hex (3/8-16)	22	526-0115	6	Washer, Flat (11/32" IO x 11/16" O O x 1/16" THK)
4	850-0050	4	Washer, Lock - Spring (3/8") Stud	23			Rotor Assembly, Gen (Includes Parts Marked *) (Spec A, B)
5	520-0935	4	(3/8-16 UNC x 13" LG)		201-3131	1	6.0 thru 8.0 kW, Code 18 (Extended Stack)
	520-0936	4	(3/8-16 UNC x 13-3/4" LG)		201-3130	1	6.0 thru 8.0 kW, Codes 3C, 53C, 16.516
	520-0937	4	(3/8-16 UNC x 14-5/16" LG)	24	800-0519	6	*Bolt, Hex - Slotted - Grade 6 (3/8-16 x 3/4")
6	509-0094	1	O-Ring	25	526-0390	6	*Washer, Flat (3/8")
7	813-0098	2	Screw, Machine - Round Head (#10-32 x 3/8")	26	232-2826	1	*Disk, Drive
8	856-0003	2	Washer, Lock - EIT (110)	27	510-0112	1	*Bearing, Ball
9	232-2416	1	Terminal Board	28	870-0284	1	*Nut, Self-locking - Hex (1-1/8-12)
10	815-0194	2	Screw, Tapping - Hex Head W/ET Lockwasher (#10-32 x 3/8")	29	232-3017	1	*spacer, Sleeve
11	232-3038	1	Bracket, Mounting - Terminal Board	30			Rotor Assembly, Exciter (Includes Parts Marked *)
12	800-0009	2	Screw, Cap - Hex Head (1/4-20 x 1-1/2")		201-2151	1	* Standard
13	853-0013	2	Washer, Lock - ET (1/4")		201-2299	1	Environmental Protected
14			Stator, Exciter	31	870-0131	6	*Nut, Self-locking - Hex with ET Lockwasher (#10-32)
	220-2009	1	Standard	32	526-0008	6	*Washer, Flat (#10)
	220-2308	1	Environmental Protected.	33	813-0100	4	*Screw, Machine - Round Head (#10-32 x 1/2")
15	211-0370	1	End Bell	34	853-0008	4	*Washer, Lock - ET (#10)
16	821-0015	4	Screw, Self-locking - Hex Washer Head (1/4-20 x 3/4")	35	526-0008	4	*Washer, Flat (#10)
17	234-0766	1	Baffle, Air	36	358-0069	1	*Rectifier Assembly, Positive
18	508-0183	1	Grommet (1-1/2" I D x 2-1/8" OD)	37	358-0070	1	*Rectifier Assembly, Negative
19			Stator, Generator (Spec A, B)	38	515-0094	1	*Key, Woodruff (t6)
	220-3912	1	6-6.5 kW, Code 53C (Standard)	39	332-2650	1	Clap. Loop (Insulated) (Spec D)
	220-4023	1	6-6.5 kW, Code 53C (Environmental Protected)				
	220-3929	1	6-6.5 kW, Code 516				
	220-3904	1	7.5-6 kW, Code 3C (Standard)				
	220-4015	1	1.5-8 kW, Code 3C (Environmental Protected)				
	220-3921	1	7.5-E kW, Code 18				
	220-3922	1	7.5-6 kW, Code 18 (Extended Stack)				

\* = Parts Included in Rotor Assembly.  
+ = Parts Included in Exciter Rotor Assembly,

15 Endbell

use 211-0439 for specs 11456 and 57380  
use 211-0370 for all others

17 Air Baffle

use 234-0967 for specs 11343, 11344, 11440, 11455  
use 234-0766 for all others

19 Generator Stator

use above info for Spec A, B

use the following beginning Spec C:

220-4487 Spec 11343, 11344, 11440, 11455

220-3921 Spec 23006, 23007

220-3912 Spec 29174 (voltage code FP)

220-3929 Spec 29174 (voltage code FZ) + Spec 34226

220-3904 Use on all other specs not listed above

23 Generator Rotor Assy (includes parts marked \*)

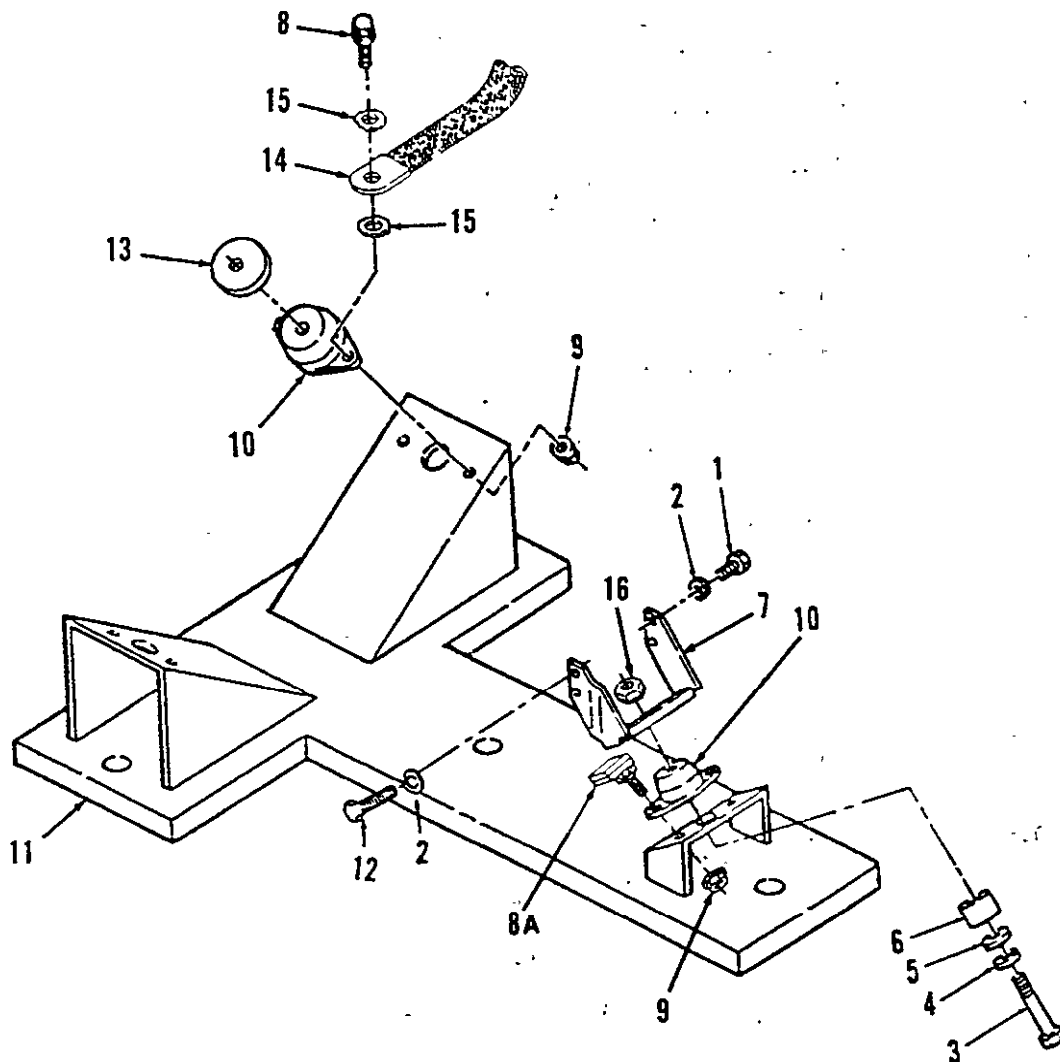
use above info for Spec A, B

Beginning Spec C use:

201-3469-02 Spec 57380 and 11456

201-3130 use on all other

# **Frame (Spec A and B)**

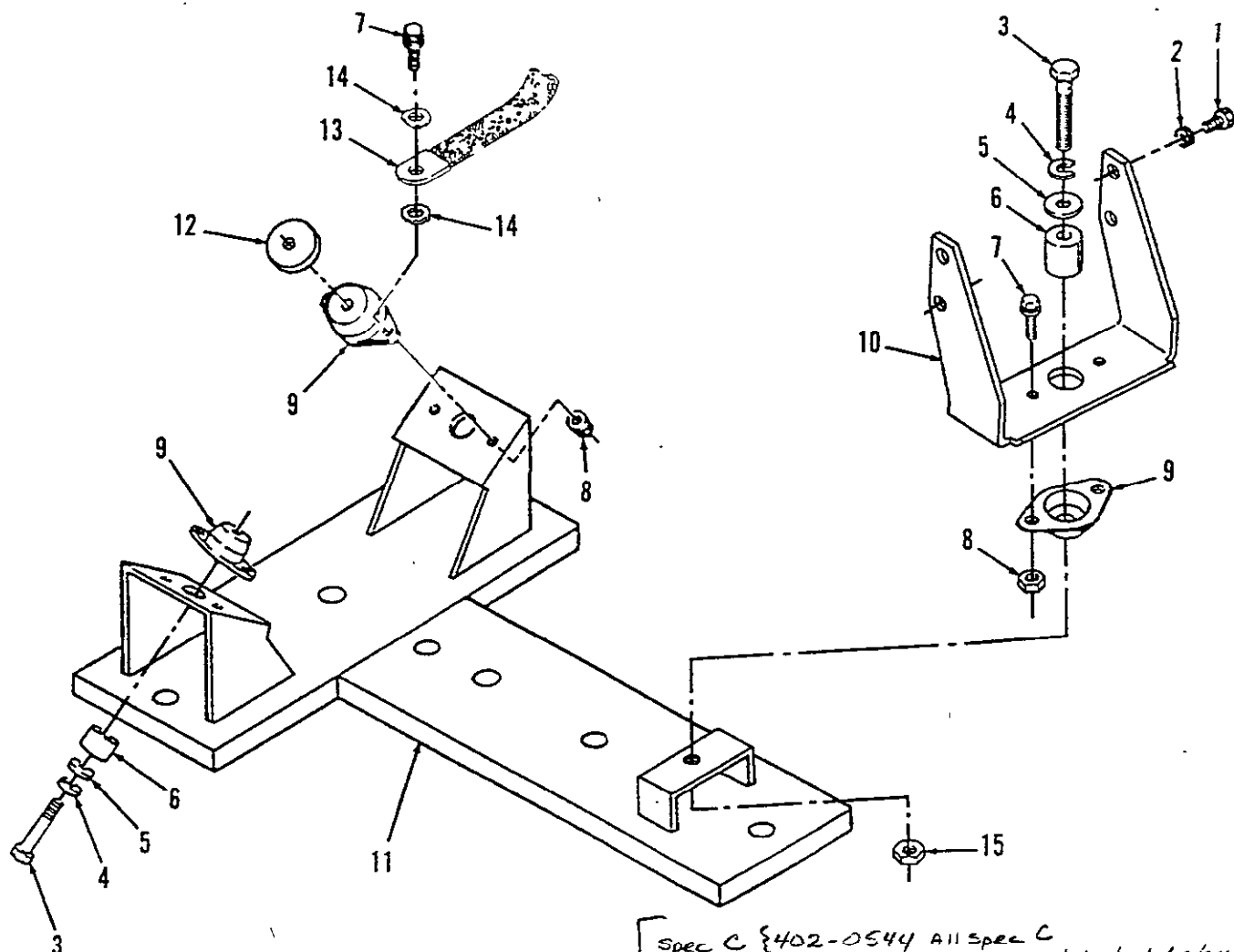


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0585	2	Screw, cap - Hex Head (M10 x 1.25 x 20mm)
2	850-2010	4	Washer, Lock - Spring (M10)
3	800-0573	3	Screw, Cap - Hex Head (3/8-16 x 2-1/4")
4	850-0050	3	Washer, Lock - Spring (3/8")
5	526-0077	3	Washer, Flat (3/8")
6	403-2213	3	spacer, Sleeve
1	403-2194	1	Support, Engine (Used Through February 1964)
8	821-0016	4	Screw, Self-locking - Hex Washer Head (5/16-18 x 3/4")
8A	403-2267	2	Plate Assy, Mounting - Shock (Used From Feb. 1984 to Feb. 1988)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
9	870-0257	6	Nut, Self-locking - Hex Washer Head (5/16-18)
10	402-0544	3	Mount, Vibration
11	403-2257	1	Frame ("T" Shape)
12	815-0600	2	Screw, Cap - Hex Head (M10 x 1.25 x 25mm)
13	526-0172	2	Washer, Flat (1/2" ID x 2-1/4" OD x 1/4" THK)
14	337-0049	1	Strap, Bonding
15	856-0008	2	Washer, Lock - EIT (5/16")
16	870-0138	3	Nut, Self-Locking



(Begin Frame Spec C)



Spec C { 402-0544 All Spec C  
 Spec D { 402-0660 All Specs not listed below  
 { 402-0692 Spec 11343, 11344, 11440, 11455  
 Spec E { 402-0660 Spec 11303, 11319, 27748, 27799  
 { 402-0692 Spec 11344  
 { 402-0544 Spec 11456, 23006, 29174

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0585	2	Screw, Cap - Hex Head (M10 x 1.25 x 20mm)
2	850-2010	2	Washer, Lock - Spring (M10)
3	800-0573	3	S(3/8-16)x 2-1/4" Head
4	850-0050	3	Washer, Lock - Spring (3/8")
5	526-0077	3	Washer, Flat (3/8")
6	403-2213	3	Spacer, Sleeve
7	821-0016	6	Screw, Self-locking - Hex Washer Head (5/16-18 x 3/4")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
8	870-0257	6	Nut, Self-locking Hex Washer Head (5/16-18)
9	402-0544	3	Mount, Vibration Support, Engine
10	403-2713-01	1	Frame ("T" Shape)
11	526-0172	1	Washer, Flat (1/2" 10 x 2-1/4" 00 x 1/4" THK)
12	337-0049	1	Strap, Bonding
13	856-0008	2	Washer, Lock - EII (5/16")
14	870-0138	1	Nut, Self Lock (3/8-16)

337-0049 All Specs not listed below  
 337-2161 Spec 11343, 11344, 11440, 11455  
 337-0081 Spec 34226

403-2713 All Specs not listed below  
 403-3837 Spec 11343, 11344, 11440, 11455



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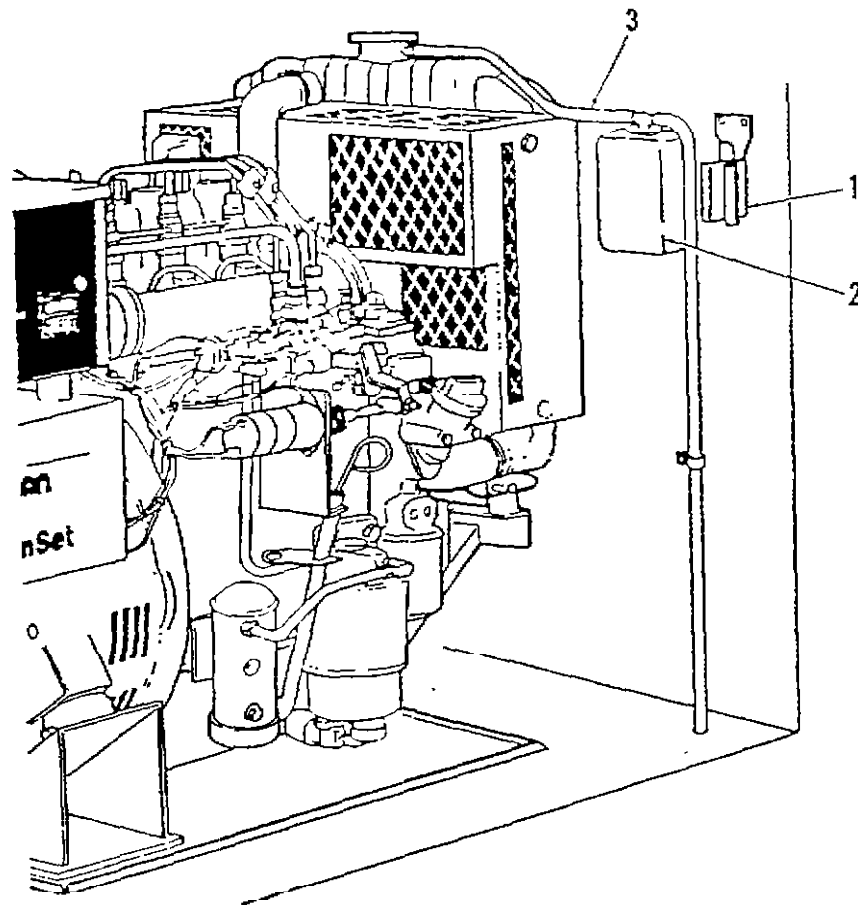
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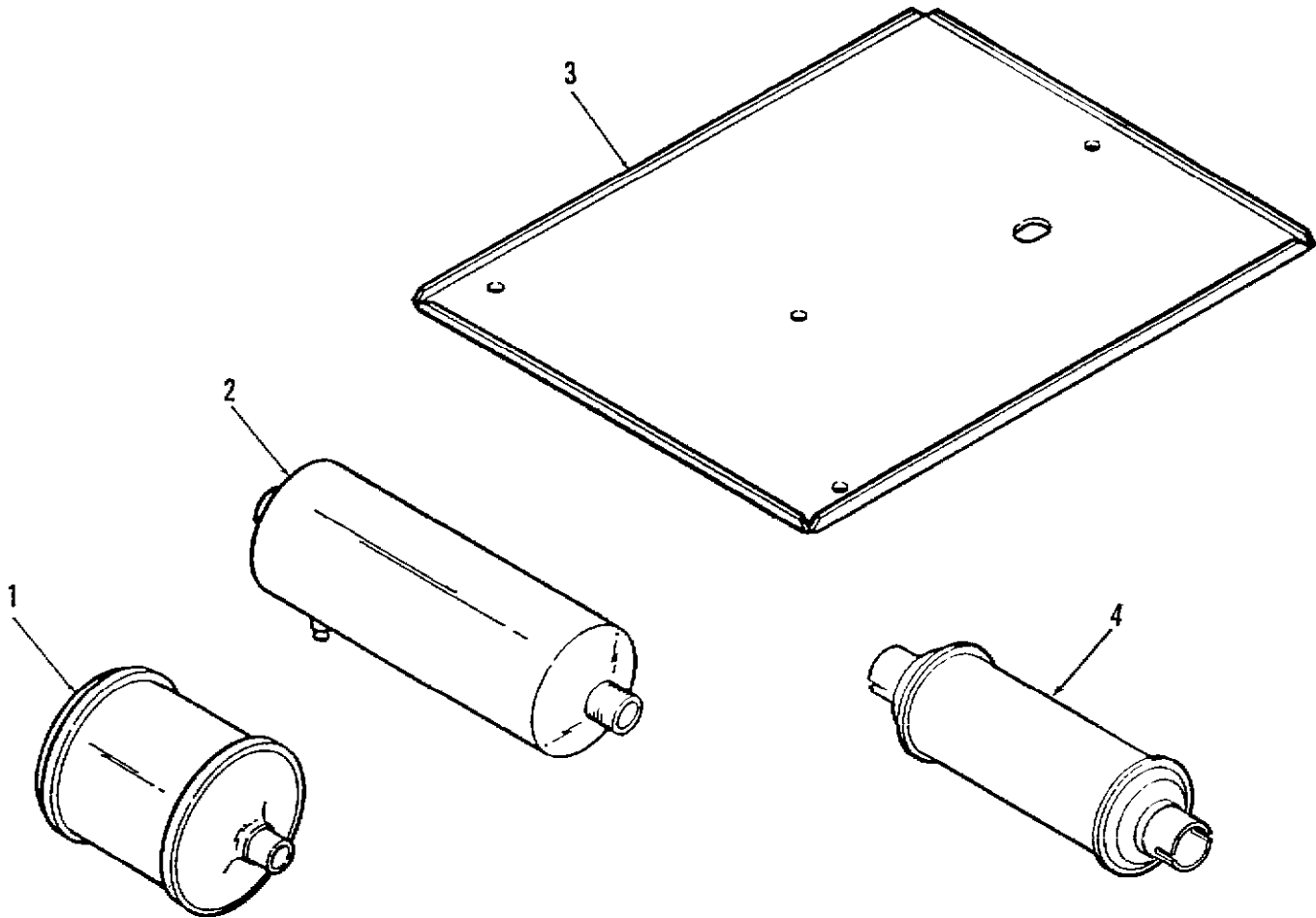


## Coolant Tank



REF No.	PART No.	QTY USED	PART DESCRIPTION	REF No.	PART No.	QTY USED	PART DESCRIPTION
1	130-2780	1	Bracket	3		1	Hose, Overflow (Comes with
2	130-2779	1	Tank, Recovery				Recovery Tank)

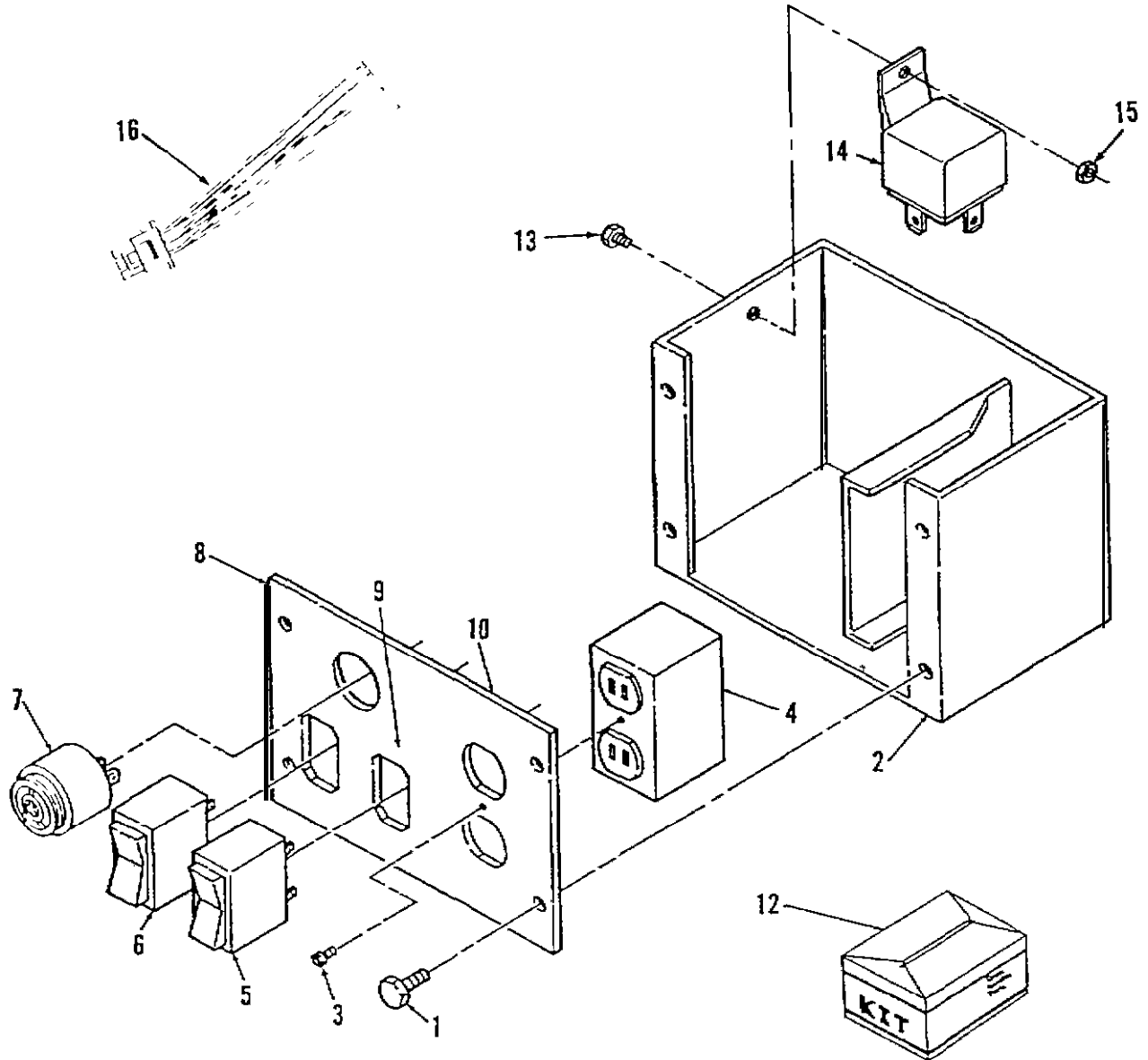
# Exhaust Muffler and Drip Pan



REF RD.	PART ND.	QTY USED	PART DESCRIPTION
1	155-2083	1	Muffler, Exhaust
2			Muffler, Exhaust - Spark
	155-2068	1	Arrestor
	155-2314	1	1-1/4 Outlet
			1-3/4 Outlet

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	403-2334	1	Pan, Drip
4	155-2653	1	Resonator, Exhaust (RV Diesel)
			(Spec D)

## Remote Panel



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF No.	PART No.	QTY USED	PART DESCRIPTION
1	815-0350	4	Screw, Hex Head Washer (X10-32 X .38)	10	98-5506	1	Label, Panel - Remote (Front)
2	301-9500	1	BOX, Control	11	525-0273	1	Label, Panel - Remote (Rear)
3	822-2030	1	Screw, Pan Head - External Tooth (#6-32 X .38)	12	300-3048	1	Paint, Black
4	323-1104	1	Receptacle	13	821-0009	1	Kit, Control - Remote
5	308-0830	1	Switch, Rocker (Preheat)	14	307-1886	1	Screw, Self-locking - Hex Head (#10-32 X 5/16)
6	308-0827	1	Switch, Rocker (Start/Stop)	15	870-0131	1	Relay
7	333-0133	1	Signal, Audible	16	338-2102	1	Nut, Hex - With External Tooth (X10-32)
8	301-9493	1	Panel, Control				Harness, Remote (6")

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